

FEATURING

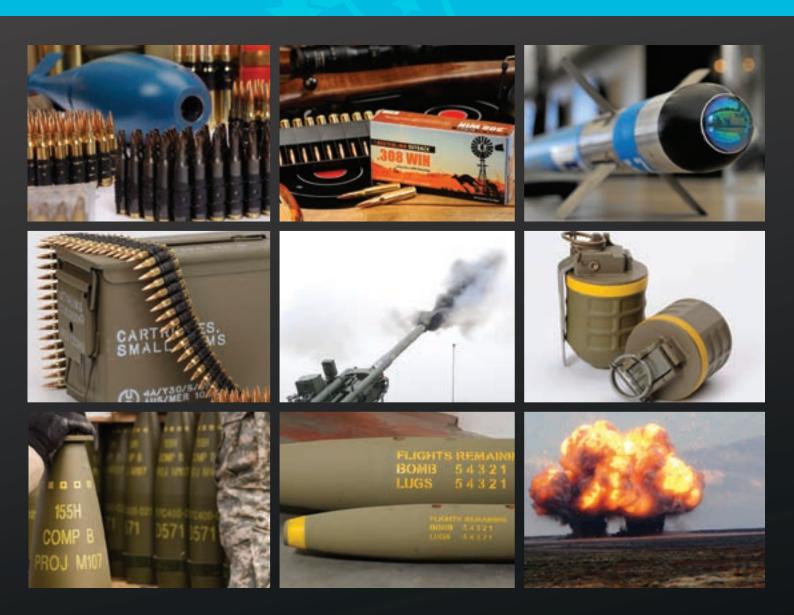
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IN THE BATTLE SINCE 1888



PROUD MANUFACTURER OF ADI POWDERS

About our contributors *



Matthew Cameron

Matthew Cameron, author of our feature article "A case for Reloading" has been a contributing author to Australian shooting magazines since 1994. His articles have also been published in New Zealand as well as in Varmint Hunter Magazine in the USA.

Matthew commenced reloading in 1980 for a .243 Winchester and he has been addicted ever since. He is a keen experimenter when it comes to reloading and is always looking for a better and more accurate load, and his rifles have never digested a factory round.

Ron Byrant

Ron Bryant, author of "Bench Mark 8208 Review" is a regular contributor to Australian Shooter Magazine and his writing experience includes numerous coaching manuals and reporting on competition shooting events.

Ron has been reloading for about 30 years, and has been part of state and national shooting teams, competing in a variety of events, including SSAA field rifle. His experience at high level competition has taught him how to finetune a rifle to get the best result. Ron also manufactures custom rifle stocks for the competition market.

Rob Alman

Rob Alman, our contributor of "ADI Brass Review" began using firearms at an early age, starting off with just a small .177 air rifle and later graduating to .22 rimfire. In his early teens he was a member of a smallbore rifle club in Kalgoorlie.

Rob is an active member of Yarloop Rifle Club which has been in existence for more than 100 years. He is a regular blogger upon their website, hosting many forums and posting product reviews. His hobbies include mathematics, engineering drawing and machining and mechanics which have fed the bond with the sport he now enjoys.

Other interests include family, the community and all things computer related.

Breil Jackson

Breil Jackson, author of "Australian Outback Ammunition Review" is the founding Editor of GUNS&GAME Magazine. He grew up and still lives in western NSW where he has been shooting since age seven. He has also been hunting and shooting across Australia and around the world on four continents.

CONTENTS

Features	
Dear reloader	.3
Bench Mark 8208 review	.4
A case for reloading	.6
ADI brass review	.11
Outback Ammunition review	.15
ADI Powders	
ADI Powders comparison chart	.21
ADI Powders descriptions	
Shotgun powders	.22
Pistol powders	.23
Rifle powders	.25
Rifle cases	.29



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DATA CONTENTS

Shorgan data
12 Gauge 23/4" (70mm) ACTIV36
12 Gauge 2 ³ / ₄ " (70mm) Reiffenhaauser .37
12 Gauge 2 ³ / ₄ " (70mm) Winchester39
16 Gauge 2 ³ / ₄ " (70mm) Winchester42
20 Gauge 2 ³ / ₄ " (70mm) ACTIV42
20 Gauge 2 ³ / ₄ " (70mm) Winchester42
20 Gauge 3" (75mm) Remington43
20 Gauge 3" (75mm) Winchester43
28 Gauge 2 ³ / ₄ " (70mm) Winchester43
410 Bore 2 ¹ / ₂ " Winchester43
Shotgun powder bushing charts44
Pistol data
17 Bumble Bee47
22 Hornet
22 Remington Jet Magnum47
22 K Hornet47
221 Remington Fireball48
222 Remington48
223 Remington48
22 BR Remington49
6mm TCU50
6mm-204 RR51
6mm BR Remington51
243 Winchester52
25 ACP53
256 Winchester53
6.5mm TCU54
6.5mm BR54
6.5mm JDJ55
270 Ren55
270 Winchester55
7mm TCU56
7mm BR Remington57
7-30 Waters58
7mm IHMSA
7mm-08 Remington59
30 Luger (7.65mm Parabellum)60
.30 M1 Carbine (pistol)60
30 Herrett60
30 Mauser (7.6mm Mauser)
30-30 Winchester61
308 Winchester61
30-06 Springfield62
32 ACP63
32 Smith & Wesson63
32 S&W Long64
32 North American Arms64
32 H & R Magnum64
327 Federal Magnum64

380 Auto (9mm Kurz)65
38 Short Colt65
38 Long Colt65
9mm Luger66
38 ACP66
38 Super Auto67
38 Smith & Wesson67
38 Special68
38 Special + P68
357 SIG69
357 Magnum69
357-44 Bain & Davis69
357 Remington Maximum70
35 Remington70
9 x 18 mm Makarov70
375 Super Mag71
375 JDJ71
40 Smith & Wesson71
10mm Auto72
41 Action Express
41 Remington Magnum73
44 Colt73
44 S&W Special73
•
44 Remington Magnum74
44 Auto Mag74
445 Super Mag74
444 Marlin74
45 GAP (Glock Auto)75
45 ACP
45 SUPER76
45 Colt
45 Colt (Ruger, Freedom Arms & T/C only)77
45 Winchester Magnum77
450 Extreme77
454 Casull78
460 S&W MAGNUM78
45-70 Government79
480 Ruger79
475 Linebaugh79
50 Action Express80
500 Linebaugh80
500 Wyoming Express80
500 S&W Magnum80
17 Ackley Hornet81
17 Hornet81
17 Ackley Bee81
17 Mach IV81
Rifle data
17 Remington Fireball82
47.222

17 Remington	8.
20 Tactical	8
204 Ruger	8.
22 Hornet	8.
22 K Hornet	8.
218 Bee	8.
221 Remington Fireball	8.
222 Remington	8.
223 Remington	8.
223 Remington Magnum	.9
22 PPC	.9
22 BR Reminton	.9
5.6 x 50mm Magnum	9
22 Savage Hi Power	.9
224 Weatherby Magnum	.9
219 Donaldson Wasp	.9
219 Zipper	9
225 Winchester	.9
22-250 Remington	.9
22-250 Improved (Ackley)	
220 Swift	.9
220 Jaybird	
5.6 X 57mm RWS	
22 CHeetah Mark II	
223 Winchester Super Short Magnum	
6mm-222	
6 x x45mm (6mm-223)	
6 x 47mm	
6mm PPC	
6mm BR Remington	
6mm-250 (6mm International)	
243 Winchester	
6mm Remington (244 Remington)	
243 Winchester Super Short Magnum	
6mm - 284	
240 Weatherby Magnum	
25-20 Winchester (25-20 WCF)	
256 Winchester Magnum	
25 Remington	
25-35 Winchester (25-35 WCF)	
257 Kimber	
250-3000 Savage	
25-303	
25-308	
257 Roberts	
257 Roberts Improved	
25-284	
25-06 Remington	
25 Winchester Super Short Magnum	
257 Weatherby Magnum	
6.5mm Grendel	
6.5mm BR	П

6.5 x 50mm Japanese 120	300 Winchester Magnum		44-40 Winchester (44-40 WCF)	. 184
6.5mm Carcano (6.5 x52mm)120	300 Weatherby Magnum		44 Remington Magnum	185
6.5 x 54mm Mauser 120	300 Remington Ultra Mag	162	444 Marlin	185
6.5 54mm (Mannlicher-Schoenauer) 120	30-378 Weatherby		45-70 Government (Trapdoor Rifles)	186
6.5 Creedmoor 121	7.62 x 39mm Russian		45-70 Government (Lever Actions)	. 187
260 Remington 122	310 Cadet (Martini Action)	164	45-70 Government (Modern Rifles)	. 187
6.5 x 55mm Swedish Mauser 123	32-20 Winchester (32-20 WCF)	164	WWG 457 mag	. 187
6.5mm-06 124	7.7 x 58mm Japanese		45-90 Winchester	
6.5-284 125	303 British		577/450 Martini Henry	. 188
6.5mm Remington Magnum125	7.65 x 53 Mauser		450 Nitro Express	. 188
264 Winchester Magnum 126	32 Winchester Special		450 Marlin	
6.5 x 68mm RWS (Schuler) 127	32-40 Winchester		458 Winchester Magnum	. 189
6.8mm Remington SPC 127	8 x 57mm Mauser		460 Weatherby Magnum	
270/303127	8 x 68mm Schuler		470 Nitro Express	
270 Winchester 128	325 Winchester Short Magnum		50 Alaskan	
270 Winchester Magnum 130	8mm Remington Magnum		500 CYRUS	
7mm BR Remington130	338 Marlin Express		500 Jeffery	
7-30 Waters131	338 Federal		50 Browning Machine Gun	
7mm-08 Remington	338-06			
7mm Shooting Times Easterner 134	338 Ruger Compact Magnum		Single action rifle data	
7 x 57 Mauser 135	338 Winchester Magnum		25-20 Winchester	
280 Remington	340 Weatherby Magnum		30-30 Winchester	
284 Winchester	338 Lapua Magnum		32-40 Winchester	
280 Ackley Improved	338 Remington Ultra Mag		38-55 Winchester	
280 Ackley Improved	338-378 Weatherby Magnum		40-65 Winchester	
7mm Rem. S.A. Ultra Mag 138	348 Winchester		45-70 Government	
7mm Winchester Short Magnum 139	357 Magnum		45-120 Sharps	
7 x 61mm Sharp & Hart 141	35 Remington		50-140 Sharps	
7 x o mini sharp & mark	356 Winchester		30-140 311a1ps	. 19.
7mm Weatherby Magnum143	358 Winchester		Single action pistol data	
7mm Shooting Times Westerner 143	35 Whelen		32 H&R Magnum	106
7mm Remington Ultra Magnum 144	350 Remington Magnum		32-20 Winchester	
7.35 Carcano (1938) 145	358 Norma Magnum		38 Special	
30 Carbine (30 M1 Carbine)	358 Shooting Times Alaskan		357 Magnum	
300 AAC Blackout	9.3 x 57mm Mauser		38-40 WCF	
30-30 Winchester	9.3 x 62mm Mauser		44 Russian	
	9.3 x 64mm Brennecke		44 S&W Special	
30 AR Remington	9.3 x 74Rmm		44-40 Winchester	
30-40 Krag 147 7.5 x 55mm Swiss 148	38-55 Winchester		44 Remington Magnum	
300 savage	375 Winchester		45 S&W (Schofield)	
	376 Steyr		45 Colt	. 195
308 Marlin Express	375 H & H Magnum		Single action shotgun data	
30 TC	375 Ruger		Single action shotgun data	
308 Winchester 151	375 Weatherby Magnum		12 Gauge 2 ² / ₄ " Remington	
7.62 x 54R	375 Remington Ultra mag		12 Gauge 2 ³ / ₄ " Winchester	
30-06 Springfield	378 Weatherby Magnum		16 Gauge 23/4" Remington	
30-06 Improved	38-40 Winchester (38-40 WCF)		16 Gauge 2 ³ / ₄ " Winchester	
300 H&H Magnum	404 Jeffery		20 Guage 2 ³ / ₄ " Remington	
308 Norma Magnum 156	405 Winchester		20 Guage 2 ³ / ₄ " Winchester	. 202
300 Ruger Compact Magnum 156	416 Remington Magnum			
300 Remington S.A. Ultra Mag 157	416 Noothorby Magnum			
ZULL Wunchortor Short Magnum	// Ib Woothorby Magnum	10//		



DEAR RELOADER

Welcome to the sixth edition of the ADI powders reloading guide. The new format, which will be published annually, introduces a number of changes to make the guide easier to use, as well as more interesting to browse through.



You'll notice that the guide is now in the format of a glossy magazine. This change makes it possible for us to include articles on reloading, as well as reviews of new powders and reloading kit. The addition of a modest cover price also makes it possible for us to publish the guide annually, without adding to the price of our powders.

Our reloading data is developed in cooperation with the Hodgdon Powder Company, with which we celebrate a remarkable 25-year partnership this year. Looking closer at the data, you will notice that we now supply figures for popular commercially available bullets by brand name, rather that simply by bullet weight.

This change brings our guide in step with the way Hodgdon publishes its data, and makes it easier for you to choose a powder that will give you the desired performance for your chosen bullet brand and weight.

All of our reloading information is also available on the internet at: www.adi-powders.com.au. The website is updated with new information as it becomes available, and we recommend checking it for the latest data when you are developing a new load.

We are proud to introduce Bench Mark 8208, already reverently referred to as the 'Cinderella Powder' in the US, to our range.

This powder meters with the consistency of a ball powder and drives light varmint bullets at higher velocities, while maintaining rock solid performance in varying environments. It's versatile as well, with good loads available up to the 458 Winchester Magnum. You'll find a review of Bench Mark 8208 by Ron Bryant in the pages of this guide.

On behalf of our team, thank you for using our proudly Australian-made powders. Enjoy our sport, and be safe out there. *



Ferdi Kluever Head of Sales ADI Reloading Powders

BENCH MARK 8208 REVIEW *



- Ron Bryant

For a while now I've been trying a few different reloading variations for my "fox rifle" which is a Remington 700 sps in 204 ruger cal, I have done a bit of work on the rifle, with a jewel trigger, a new stock and a magnificent Leupold 8.5 to 25 scope.

I've been getting mixed results with reloading variations but when I saw that ADI had introduced a new "Bench Mark 8208" powder I thought why not .. after all the previous Bench Mark powders used to work a treat in my old PPC.

Reading the ADI launch info it describes "Benchmark 8208" as being very stable over a range of temperatures and will maintain good consistency between lot to lot. This means that comparing loads tested in the heat of the day and actual shooting late at night especially spotlighting or working the snowline will produce similar results out of your favorite firearm.

It's a short grain powder and I've found it throws beautifully out of the powder thrower with no chopping or hang-ups especially in the small diameter neck of the 204 ruger brass.

A guick search in the web found a PDF data sheet on the ADI website that has a specific chart just for the new powder and it lists a broad range of calibers, but for the 204 with a 40gn projectile it was a start load of 26 grains. The data sheet said it should be doing 3586 fps and I found the chrony showing 3600 fps so that was a good start, but what really impressed me was with just about all variations in the load workups all five shot groups at 100m were under an inch! This was no mean feat as the wind was howling on my trial day.

Reprinted with kind permission of SSAA Australian Shooter magazine. I also actually got it to push a smaller projectile over the magic 4000 fps mark but having a cupboard full of 39gn sierra blitzkings that was the load I was wanting to tinker with and working around the max load of 27.3gns, I found I could drive it at a speed of 3850 fps with very little speed variation and no signs of pressure. With groups of .650 of an inch that will do just fine for me (and for the next fox).

I then put up a 200m target with the same load and found the bullet drop to be only less than 34 inch so I knew I was on the right track and a couple of 5 shot strings had it producing groups of just on 1 inch.

In terms of other components I was using Winchester brass, Fiocchi primers and Sierra 39gn blitzkings and as described I got very consistent results.

The list of calibers for the powder is fairly large, but if you want to try something new, give it a run as I certainly recommend it.

If you haven't shot a 204 it's a pleasure to shoot with it's relatively mild recoil, however it hits hard, due to the speed that it's travelling and if you're reloading the vast range of the ballistic tip projectiles make short work of small game.

Look out Mr Fox here I come. *

.. those foxes don't stand a chance.









ADI COMMERCIAL PROPELLANTS

25 years of export success

A CASE FOR RELOADING *



- Matthew Cameron

The economics of loading your own are analysed in this article. The comparisons of reloaded versus factory ammunition costs are simply a guide, as component cost can vary locally. Gunshop specials and bulk purchasing can significantly reduce component costs. Some brands of factory loaded ammunition may be twice the cost of others in the same calibre. The use of premium projectiles in factory loads can significantly increase the cost. Keep all this in mind.

If you have purchased ammunition or components recently I do not have to tell you that prices are somewhat dearer than twelve months ago.

But the steep increases do raise a query; is reloading a preferable, more practical financial proposition than factory ammunition?

Further, is there a greater variation between the more common commercial rounds and those that are less popular? It looks a simple comparison, but I suspected that it might be a potential minefield. I was not mistaken. On one hand we have factory ammunition and on the other, brass, primers, powder and a veritable feast of projectiles that vary from the custom made to those turned out by the commercial ammunition manufacturers in their hundreds of thousands. In addition custom made projectiles vary from specialist benchrest requirements to those used by varmint and general hunters.

So the starting point has to be the commercial ammunition manufacturers. The following were selected as representative of what is available on the Australian market: Federal. Hornady, Highland, Remington and Winchester. We aimed to obtain an average price so that we could compare with component materials available to the average reloader.

Prices were obtained out of current magazines and off various internet sites of well known firearm retailers. The type of projectile will have a great influence on the price of individual loadings. Obviously premium bullets cost more; and I have selected the more common loadings as a representative range. Generally, except where noted, premium loads were not taken into consideration. To the casual shooter or those who only fire a few rounds per annum reloading is probably not worth the outlay of equipment and time. The .204 Ruger appears to be quite popular if one believes the shooting press, 32 or 40 grain cartridges averaged \$177/100 rounds, the dearest being Remington at \$210/100 rounds, and the cheapest Hornady at \$119.00. The .223 is a popular round with varmint and vermin hunters. We concentrated on the 55 grain loading that averaged out at \$138/100. Other rounds were available in heavier loading but were not considered.







The venerable .243 Winchester was next. Most 90/100 grain loads averaged \$158 per 100. It should be noted that not all retailers carried a full range of a particular calibre. You should also consider the cost of delivery if purchased interstate, a slightly higher price locally may turn out to be the cheaper in the end result.

The longstanding and accurate 6.5 X 55 is the first metric calibre to be considered. Projectile weight was between 139 and 140 grains. Prices were very consistent and averaged out at \$133/100. Commercial ammunition for the famous 7 X 57 Mauser, similar to the 6.5 X 55 is, as one would expect, a little thin on the ground in relation to American ammunition companies. Metric calibres despite their performance have had a slow acceptance rate in the U.S.A. In this case only Federal had two offerings in 140 gn and another singular 175 gn soft point. Together with Highlands 175 soft point they averaged \$256/100.

With the .270 Winchester only the 130 grain bullet loading was considered, others in the range of 140 and 150 grain offerings were available, there was lots of competition for this cartridge. It averaged out at \$194/100. The popular .308 W similar to the 270 W had many different loads, mainly 150 grain but some 165's, once again keen competition and it averaged at \$248/100.



LEFT PAGE: Reloading tools are an essential investment and a one-off cost. Good quality loading tools last indefinitely.

RIGHT PAGE: The cases need only be purchased once. The reloader's cost is in powder, primers and projectiles.

The .375H & H is an interesting one. Any cartridge of this size is obviously aimed (pun not intended) at larger, tougher animals. Therefore, almost invariably, commercial rounds are loaded with premium projectiles. This is reflected in the higher prices. The top Federal load was \$685.00/100 loaded with a trophy bullet. Average overall was \$362/100. It is fair to say that the purchaser of factory ammunition also has the ability to reload the fired cases.

For many shooters, particularly hunters, the cases are left where they are ejected. Of the eight cartridges used only two are used enough to warrant reloading - the .243W and .270W.

Now came the interesting part, how to compare the reloader's costs. The first item on the agenda was to allow for the number of times that the home reloader can use a cartridge case.

I settled on five as a reasonable number, in truth most will attain more reloads out of any particular cartridge. However when you consider that in hunting situations some brass is lost I think that five is a reasonable averaged number.

There is a wide variation in the type and amount of brass carried by various retail stores. The less popular calibres are sometimes limited to one or two makers; they may be in short supply and/or expensive. In addition to Remington and Winchester other suppliers included Nosler, Highland, P.M.C., Lapua and RWS.



The next item, primers were much easier and averaged out at \$6.00/100 for large rifle and large rifle magnum primers only. Powder also proved to be remarkably consistent. If you averaged out the price of ADI and Winchester the result was \$50 per 500 gm bottle. If you took ADI in isolation the price dropped to \$43.

For some ADI rifle powders it is possible to buy in 4 Kg bottles and the price drops to an equivalent of \$27 per 500 gm bottle.

I think that it is reasonable to assume for our purposes that most Australian reloaders use ADI powder, each 500 gm bottle of powder contains 7717 grains. The next trick is to apportion the appropriate amount of powder in relation to each particular cartridge (who said this was easy). Using the ADI Handloaders guide we will average out the maximum powder charges for each bullet weight. You can argue the methodology but I consider it reasonable.

Thus for the Ruger .204 the average top charge is 27.5 grains of powder. Dividing the contents of a 500 gram bottle (7717 grains) we will get 280 reloads per bottle at a cost of \$43. This equates to 15.4 cents per reload or \$15 per 100. The .223 uses slightly faster powders with the 55 grain projectile, the average being 24.5 grains. 7717 divided by 24.5 gives 314 reloads. This is equal to 13.8 cents per reload or \$14/100.

With the .243W we are starting to get into the heavier powder loads, the average of the 90/95/100 grains loads is 40.5 grains, this equals 190 loads per 500 gram bottle at a cost of 22.6 cents per load or \$23/100.



The 6.5 X 55 Swedish Mauser produced an average of 43.0 grains using the 140 grain load, equal to 180 reloads at a cost of \$24/100, this was more than the 7 X 57 which averaged out a little below the .243 W at 39.0 grains per load, this is equal to 198 loads from a 500 gm bottle of powder at a cost of \$22/100 reloads.

The .270 W and its 130 grain bullet produced an average powder load of 54.0 grains which equated to 140 reloads at just over 30 cents each or \$30/100, the .308W by contrast averaging out the powder loads for 150, 155 and 168 grain projectiles produced 175 reloads for 25 cents each or \$25/100. And finally the .375 H&H, its 300 grain load consuming an impressive 70.0 grains of powder for 111 reloads at a cost of 39 cents each or \$39/100.

Although we are only going to complete this exercise by considering the cost of the projectiles the so far unmentioned costs for the home reloader are those of the tools required. The most basic needs are a press and a set of dies for each calibre, perhaps we should also include all the other bits and pieces that reloaders seem to accumulate over time. Yes, you could amortize this cost over say 50 years but it really depends on the number of reloads a particular shooter will make over any time period.



Some shooters will, depending on calibre, reload for one and purchase factory ammunition for others. One father and son pair I know shoot .270 W, .30/30 W, .45/70, .308W and a 9.3 X 62 between them. They reload for all calibres except the .308 W.

On the subject of projectiles, the following companies were considered, Hornady, Nosler, Remington, Sierra and Speer. Starting with the Ruger .204 the choice was fairly limited, I could only find two lots, one from Nosler and one from Sierra, for both projectile sizes. They averaged out at \$40/100.

With the .223 and 55 grain projectiles the choice was much wider as this weight is also used in a wide variety of other calibres. There was a very large range of prices that varied from as low as \$26/100 to \$60/100 for premium projectiles for an average \$39/100.

The .243W 90-100 grain projectiles varied considerably in price depending on both the company and the retailer, possibly some stock was much older and was not reflecting the current higher prices, overall they averaged out at \$55/100. With the .270 W only the 130 grain projectile was considered and this averaged out at \$80/100. With the 6.5 X 55 Swedish Mauser projectiles of any weight were not all that common and averaged \$87/100.

An exception not considered were RWS premium projectiles at an advertised \$154.00/100. In similar fashion the 7 X 57 had a variety of projectile weights and averaged \$66/100.

The two 175 grain Sierra projectiles averaged \$54/100. As expected the range of projectiles for the .308W was the greatest number researched, not surprising when you consider the popularity of both the .308 W and the .30/06 Springfield. Cost averaged out at \$58/100. The range of projectiles in 300 gn for the .375 H & H tended to be the more expensive trophy type, a good idea when confronting any animal that may want to alter your appearance. The dearest was the RWS FMJ at \$236/100 with the mean average \$166/100.

When perusing the above figures remember the cost of brass per 100 allows for a minimum of five time use. The 6.5 X 55 is in fact the only factory load (in one brand) that is cheaper than reloading. The main reason for this is that the only factory ammunition I could find was Highland.



Most American companies load this round but it was simply not available when researching this article. It is a reasonably popular round with some Military Rifle Club members. If you allow for this fact then the reloader wins every time.

Owners of older, obsolete or less popular rifles almost invariably have to reload, as factory cartridges are almost certainly not available or the cost is prohibitive. In addition, there are specialist rounds that have only a limited application such as the 6 mm PPC benchrest round. Only Lapua & Norma produce this cartridge. All of the benchrest shooters that I know hand load for a specific rifle and never interchange ammunition from one rifle to another, possibly it would not fit anyhow.

I must stress yet again that it is possible to cut reloading costs even further by purchasing in bulk and keeping an eye on sales that appear in magazines and on the internet. It also depends on the game you seek. In many cases the use of a trophy bullet could reasonably be considered an unnecessary expense and the end result may do no better than a cheaper soft point.

Another consideration is that the ammunition companies spend a considerable amount on developing, advertising, promotion and packaging of their products. In addition the amount of ammunition produced in Australia is insignificant and thus there are importing transport costs. Winchester Australia only produces military and domestic .223 loads. In the end the home reloader has the ability to tailor a round that is specific to his needs, whatever they may be. Personal satisfaction in producing such ammunition will always overcome the time element involved.*

The following chart shows a summary of the average cost per hundred compared to factory ammunition.

	Brass	Primer	Powder	Bullet	Total	Factory Ammo
Ruger 204	\$16	\$6	\$15	\$40	\$77	\$177
.223	\$13	\$6	\$14	\$39	\$72	\$138
.243 W	\$20	\$6	\$23	\$55	\$104	\$158
6.5 X 55	\$25	\$6	\$24	\$65	\$81	\$133
7 X 57 Mauser	\$53	\$6	\$22	\$65	\$146	\$256
.270 W	\$19	\$6	\$30	\$65	\$120	\$193
.308 W	\$19	\$6	\$25	\$55	\$108	\$248
.375 H & H	\$80	\$6	\$39	\$120	\$245	\$380





ADI BRASS REVIEW *

- Rob Alman

I first began shooting 5.56mm with 62gn projectiles over ADI brass and soon moved to 69 grainers whilst still remaining faithful to the same ADI brass. The changeover to Sierra's 80gn pill came with many changes and thankfully ADI were now producing a new batch of brass more in tune with the modern requirements of accuracy aficionados.



Current Choices Available - .223 Rem and 50 Cal.

My aim here is not to write another one of those articles where I tell you how to handload but simply to provide a comparison between new ADI brass straight out of the packet to the same brass after case prep during the course of being fired four times.

ADI was kind enough to supply me with 300 cases to carry out this review.

The first thing to notice is ADI's tougher plastic bag that would ensure shells get to you in a better state than that of many other brands should they be subject to rough handling.

The next thing to notice is the visible annealing on the cases. This has been done very evenly and gives piece of mind that a professional job has been done in the preparation of delivering a reliable product. Some other manufacturers polish their cases to remove this.

Note: This factory annealing should normally not need to be repeated throughout the useful life of the brass and doing so should only be carried out by the most experienced handloaders. It is extremely difficult to monitor and apply evenly the heat required without rendering the brass "Dangerous."

Weighing of new unused brass before any preparation alone may not give much useful information nor improve accuracy but it is my intention to show just what is achieved by creating uniformed brass ready for match use. It is my expectation that the extreme spread will be reduced and create batches with less deviation in weight.

ADI brass has an ES of 1.5gn straight off the shelf, which alone puts it streets ahead of many other brands I have tried.

Interesting though is that ADI's average weight of 96.79gn is heavier than most other .223R brass. This didn't limit me in the amount of powder I could load and some of this weight could also be attributed to the smaller amount of material removed to accommodate the improvement of the small flash hole.

From the figures in the chart (right) we see a median weight, for new ADI brass, at just under 97gn's and also a good number of cases within that median weight.

We can deduce from this that the ADI cases will maintain an average weight heavier than that of many of the other commonly used cases and if this characteristic carries through to the match prep brass then a smaller case capacity may result.

Now to start case prep - the first stage will be to run all 300 through my Redding F/L Sizing die.

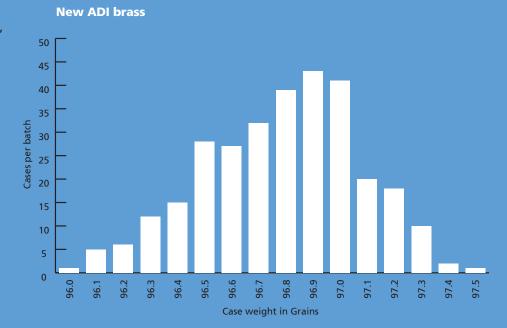
Note, that at this stage, I should remind you that the ADI has a very modern 70 thou flash hole.



With F/L sizing completed it's off to my Lyman tumbler for a light clean



Straight from packet.





and polish.



After tumbling.

Some de-capping pins will not fit these smaller holes and either a smaller pin will need to be sourced or removed for first sizing to enable you to get started.

I am not about to list the dies that will suit but my Redding pin at 0.0625" was a goer without modification.

It will probably take a few firings for the annealing marks to disappear but this will in no way play a role in accuracy.





Now to create a uniform length case.



Note that the ADI cases have been trimmed to the same length. Trimmed length = 1.749" or 44.425mm



ADI (left), Another brand with large flash hole (middle) & my reloads for weekend (right)



Test ammo ready for the range.



RCBS 3 Way cutter



Base to ogive measurement.

The average weight of the ADI brass decreased by 0.18gn to 96.61 gn... (These results will be revisited once cases are fired and further case prep carried out).

To work up a load that suits I will start with light loads and run them across my chronograph. The first thing to do is find a weight shell and decide on that for the strings.

To maintain a control I will start with a clean barrel then fire 4 fouling shots followed by a string of 9 ADI loaded from 24.6 through 25.4 of AR2208.

In addition to this I have batched my 80gn Sierra's by weight (0.1gn ES over 500...I love Sierra!) and then by base to ogive (just 2 thou over same 500)...That's near enough for me.

I should also note that none of these loads are compressed. This may be partly because of a long throat/freebore in my rifle of 0.100 and in no way am I suggesting that these loads will be safe in any other combination. If in doubt, start loads much lighter.

Load	Velocity	mm from centre
24.6	2914	-22.7
24.7	2954	19.4
24.8	2941	18.3
24.9	2967	15.1
25	3004	11.4
25.1	2981	4.7
25.2	2982	14.6
25.3	2986	19.8
25.4	3000	28.8

Av = 2970	ES = 89.71	SD = 29.05

Fouling Shot Velocities	mm from centre
2938	21.3
3006	12.9
3026	14.9
3011	16.7

The first thing I noted was the low reading for the first fouling shot of the group, and is one of the reasons to include such shots prior to testing. This however did not detract from 8.4mm vertical dispersion at 300m. or an average of 1/6th MOA.

Secondary to this was the fact that the ADI velocities started high and finished high even with the load variations. Add to this just 2/3rd MOA vertical over the entire 9 shots.

I picked the 25.3gn load @ 2986 fps and loaded 24 rounds and fired them from 800m and was extremely impressed with the results. Apart from requiring three sighters they all went in the middle with a 50% V-Bull count and a daily score of 99.10.

With the RCBS 3 Way cutter installed it is a breeze to trim and chamfer whilst reproducing consistent results for each case. After a clean with some compressed air and another visual inspection it was time to remove any internal flash hole burs.

I didn't have a tool that would fit the small flash hole and couldn't wait for the one to arrive that I ordered (the Redding one for .22), so off to the shed to make one. Modification to a No1 centre drill and a little bit of stainless rod coupled with a depth stop from another tool and I was ready. I soon discovered I had wasted my time because not one flash hole needed de-burring.

This ADI stuff is really shaping up and I can't wait to get some down range.

Initial case prep removed a total of 52.6gn of brass and has reduced the ES of ADI cases to 1.2gn.

More testing...

After removing a massive 225gn of material by neck turning, primer pocket uniforming and again trimming to length, the ADI brass ES reduced by a further 0.1gn but the effect of this was that each 0.1gn group now has larger workable amount of brass.

The average weight again decreased 0.11gn to 96.5gn which is now close to a full 0.3gn from new.

Unfortunately, I have not found any other brass that closely resembles such characteristics as well as maintaining a price per unit that makes it affordable for hunters and target shooters alike.

NOTE: An ultrasonic cleaner is used to clean brass inside and out to eliminate discrepancies from contaminate residues from firing.

The number of batches continues to decrease which in turn provides a larger number of useful cases per batch.

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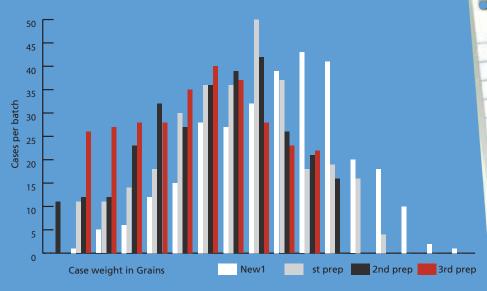
600y at Bindoon Rifle Club, 50.8... I really am looking forward to using this brass after firing & full match prep.

With the ES now down to 1.0 sorting into two or three batches will be sufficient for the life of the brass and whilst I do believe the ES may reduce even further following additional firings, there's enough evidence of the new ADI Brass quality that it will remain my choice of brass for now.

Actual removal of material (brass) appears to have levelled out somewhat with just 0.054gn average taken from each case bringing the average weight of each case to a shade over 96.44gn.

An overall comparison of the various stages of preparation is more indicative than any words. ★





TOOLS USED:

FORSTER T RIMMER WITH NECK TURNING
ATTACHMENT.

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TO 0.122 (FACTORY)
THIS MEASUREMENT MAY DIFFER FROM OTHER
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OUTBACK AMMUNITION REVIEW *



- Breil Jackson

Newly released from ADI is their line of Outback ammunition. It is currently available in two calibres - .223 and .308, in a range of different loadings. The ammunition is loaded at their Benalla facility, on fully refurbished and modernised equipment. The packaging is striking, with an inland Australian red dirt scene, a couple of kangaroos and a windmill. Of course, no Australian outback scene would be quite complete without including the Southern Cross.



The cartridges are in the better class of ammunition as evidenced by the fact they are loaded with Sierra or Swift bullets, including Sierra MatchKing and Swift Scirocco bullets. Sent for testing were loads in .223 Remington - 55gr Sierra BlitzKing and 69gr Sierra Hollowpoint MatchKing and .308 Winchester - 165gr Sierra Soft Point Boattail GameKing, 168gr Sierra Hollowpoint Boattail MatchKing and a 150gr Swift Scirocco II BTS.

The headstamp is marked ADI and the cases are manufactured

in Australia, from imported brass cups. Both cases are fully reloadable with no problems extracting the primers or reseating new ones. In fact, on that front, I reloaded a couple of .223 cases ten times, as fast as I could shoot and load them, and they showed no sign of

neck splitting or

rupturing, and the primer pockets were still tight after ten reloads of 26 grains of AR2206H and a 55gr bullet. This is the maximum listing for a .223 with that bullet in the ADI handbook. I also sectioned a .308 case to observe how heavy the brass was.

It was slightly heavier than a commercial Winchester case in terms of thickness and head construction. Weighing half a dozen or so cases revealed them to be about 14 grains heavier than the Winchester, with about a half grain of variation case to case.

The great claim about this new Outback ammunition is what it says on the box - "extreme performance whatever the weather". This all boils down to the propellant used in the ammunition which is claimed to be extremely stable under varying temperature conditions,

> from +125°F (53°C) to 5°F (-20°C). In fact, the velocity is supposed to be only minimally changed regardless of the ammunition temperature within those parameters

listed, so that you will get more consistent trajectory over the longer ranges.





Internally the ammunition is packaged in two plastic holders, each holding ten rounds.

Powders from ADI have for a long time been some of the most temperature stable available anywhere. This stems back to work done after the Vietnam war, where they had problems with 5.56 ammunition running high pressure when it got hot. They have been working on it since then and refining the process to the point where now they are getting the propellants so good that they hardly vary over a 60-70°C temperature range. I have been told that the new Benchmark powder is one of the better examples of the more temperature stable propellants they have produced, and this propellant is in the .223 Outback loads. However, the .308 loads have an entirely new propellant available only at this time in the Outback ammo. It is this propellant that exhibits the best temperature stability ADI has yet produced.

This temperature stability is being called Ballistic Temperature Independence (BTI).

On the back of the box, it says that BTI ammunition will hold a 1-inch high and 1-inch low trajectory variation out to 600 yards, due to highly consistent muzzle velocity from 125°F to 5°F, whereas they are suggesting, again on the box, that competitive ammunition without BTI would be 7-inches high at 600 yards at 125°F and 11-inches low at 5°F. You'll have to forgive me on the Fahrenheit readings, because that is what is on the box. It is obviously angled at the American market, particularly with the Whitetail deer on the back of the package. But that is the claim.

A claim like that needs to be tested. I set up my range and ran a target out to a measured 600 yards. I tuned up my old ballistic temperature oven that I bought

off a ballistician years ago. We set up a deep freeze with freezer blocks, and set up the chronograph and waited for a dead calm day. Shooting at 600 yards has a lot of variables, so we had to try and do as much shooting as possible to get averages, and we were not so worried about horizontal dispersion, due to wind. In a .308, which was the primary focus of the 600 yard shooting, the time in flight is considerable, so the potential for wind drift is always there. Bear in mind too, that I only had a couple of packets of each type of ammunition, so I concentrated on the 168gr Sierra Hollowpoint MatchKing for the 600 yard testing, as it proved to be highly accurate. This would make the test a lot simpler, keeping all the bullets on the target.



* *

Setting up the temperature control in the oven. The oven has its own temperature control, but I put a second thermometer in there to make sure we were around that 125°F for testing. We left them in there for an hour at this temperature to make sure everything was stabilised.





For testing I used a standard heavy barrel Sako 75 factory rifle with a 3.5-10x Leupold scope. This rifle features a set trigger and will happily put five shots into half an inch with its favoured ammunition consistently. A typical 5-shot group at 100 yards with this ammo was going about 0.85". A quick look at the Sierra ballistic table out to 600 yards showed we needed to be around 15" high at 100 yards for a dead on 600 yard zero at the published muzzle velocity of around 2800fps as specified on the packet.

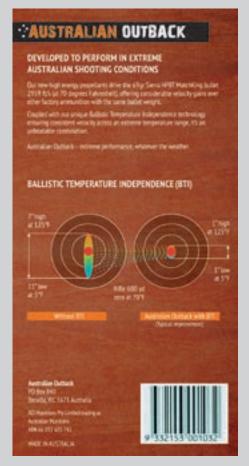
We started shooting with the ammunition at room temperature. The ambient temperature on the day was about 26°C. Doing velocity testing we found the velocity average to be 2746fps, which is about 45fps lower than the factory specified figure, but still near enough. Obviously, a test gun in test conditions may well produce the 2790fps and some other rifles with different chambering and barrel specifications may well produce the stated velocity. That is really not of significance, in any case my chronograph is set up almost 2 metres from the muzzle, and measures over a 72" span.

Then came the interesting part. We set the ballistic oven at 53°C which

is roughly 125°F, and the average of six shots was 2750fps, or 4fps more than the standard temperature. The cartridges felt quite hot to touch. Then at -15°C, which is as cold as I could get them, the performance of 6 shots was 2732fps, or 14fps lower than the standard temperature reading. That means we have an almost 70°C temperature variation producing 14fps velocity variation. Now that is staggering. I will get to what happened at the 600 yard target in a moment.

In years past, I have had boxes of factory ammo sitting on the dash of a vehicle on a hot day pop primers when fired and lock the bolt closed. Variation due to propellant temperature is real. When reloading in winter we often have to be mindful of maximums, because a safe maximum in winter may be too hot in summer.

Just for comparison, we also subjected some Highland SX ammunition to the same testing, mainly because it is factory loaded with the 168gr Sierra MatchKing bullet. For simplicity's sake, getting all the bullets on the target when you are shooting the same weight and the same projectile, should be a lot easier at 600 yards. The SX is better than average bread and butter factory ammunition also, so it is a good comparison.

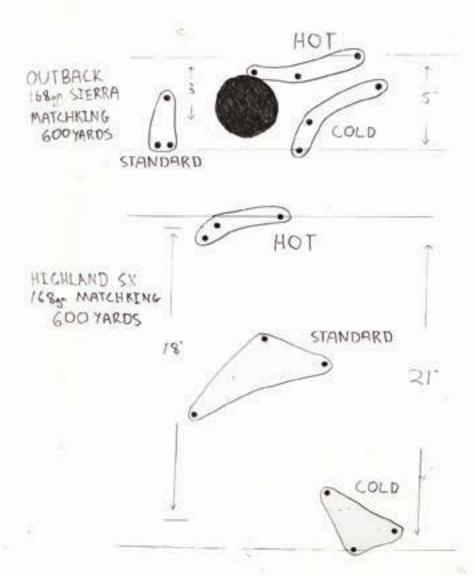


The back of the package shows ADI Outback ammunition's claim of temperature stability. On my testing, at least with the .308 ammo, I think their claim is pretty accurate.

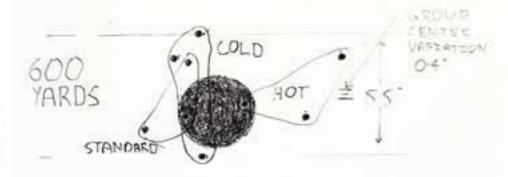
However, to my knowledge, the Highland round has no Ballisitic Temperature Independence powder in its loading. It has a slightly lower velocity of average 2589fps, so it was always a little lower on the target at 600 yards, which was probably helpful to view the results. At 53°C, it was 2636fps, that is +47fps above ambient, and at -15°C it was -69fps with a figure of 2520fps. That is 116fps variation over the same 70°C temperature range. However, it is on the 600 yard target where you really see the difference.

First up, I must tell you I am no benchrest shooter, and I have never been. I am not brilliant at doping the wind because I have never had a huge amount of experience at it, not at 600 yards, anyway. Our first few standard groups measured around 4" at 600 vards. We then shot the hot and the cold groups, and the extreme vertical spread from outside bullet to outside bullet was 5.5", at 600 yards. I paid no attention to horizontal dispersion because at 600 yards in a .308, as previously explained, field conditions cannot be controlled and you really can't use it as a basis for testing equipment. We are interested in velocity and vertical performance in this test and little else.

Interestingly, the extreme spread was all covered with the cold group, so the standard and the hot bullets, all landed within the cold group extreme height variation. The most interesting thing was that, at 5.5", we are still inside the vital zone of just about any animal you would care to hunt. That is not accounting for doping of the wind, and I certainly don't recommend that people shoot animals at 600 yards. This is a ballistic test on a target only. If you average the centre of each group (hot, cold, ambient) and compare the variation between them, it was a staggering 0.4" at 600 yards. This means the average vertical movement in the three groups sizes over the nine shots was less than 0.5".



Testing comparison of Outback Ammunition with Highland SX – both loads shooting exactly the same bullet – a 168gr SX MatchKing at 600 yards, using the same aiming point. This is a graphic illustration of the temperature stability of the Outback ammo. Note how the hot, cold and standard temperature loads with the Outback all fell within a 5" band. If you average the centre of each group, you will find they have all landed within a 3" band which is actually, in this example, more than I got with other groups shot at the same distance with the same ammo. Note the Highland SX ammo, without a BTI propellant varies in extreme range 21". Even the group centres are varying some 18" from hot, cold and standard temperature.



A replicated test at 600 yards with the 168gr MatchKing load – this time all the bullets landed within a 5.5" vertical band at 600 yards with the actual groups centres between hot, cold and standard varying less than 0.5". This is truly amazing temperature stability.



Top left: 100 metre groups with .308 Winchester ammunition supplied. Five shots for the MatchKing, three for the Swift and GameKing – these were typical of the results achieved at these distances.

Top right: The groups with .223 ammo at 100 yards. The bottom left group with the 69gr MatchKings needs a tighter twist rifle than I had, as they didn't shoot particularly well. The centre group with the 55gr BlitzKing measures about 0.65" the other groups with the same ammo up the top are hot and cold groups. The bottom right hand corner is nine shots of Winchester Supreme with a standard, hot and cold temperature all at 100 yards for comparison.

With this in mind, I decided to replicate the test. This time we got more horizontal dispersion and again a 5" extreme height variation, with the average height change of the three group centres being 1.4" at 600 yards. Finally, we thought we would try it one more time to confirm the results. I also shot the Highland MatchKing at 600 yards and put them on the target. The extreme variation with the third group was again 5", and the average of the three groups centre to centre was a neat 3". Interestingly, the Highland ammunition's extreme variation was 21", remembering that the Outback ammo with the same bullet was 5". The centre to centre group extreme variation with SX, was 18", which is quite amazing. On the back of the Outback ammo box, it suggests other ammunition could be 7" high and 11" low giving an extreme variation of 18", which is about exactly where it worked out in total variation, anyway. It is a graphic illustration of the benefit of having a stable propellant under all temperature ranges.

Obviously, in your hunting career, you may take the odd long shot, but everything would have to go your way. I would suggest that 500-yards is probably getting to the outer edge of where people should ever be hunting, because of the reliability of placing the projectile, due mostly to environmental factors. Even with this Ballistic Temperature Independence, animal welfare is always an issue. A wounded animal at 600 yards is a far bigger problem to solve than it is at 100 yards. Of course for someone who shoots at long range targets, they are going to love the stability of this ammunition.

We took the ammo out hunting pigs using the Scirocco and GameKing loads. Both these bullets performed well, with Scirocco being exceptional. Deep penetration, big mushroom, and high weight retention. The core bonding of the Scirocco is superior to the unbonded GameKing, which routinely shed its core. The GameKing was more accurate however, with 3 shots into 0.7" as opposed to the Sciroccos 1.5".

When it came time to shoot the .223. we could not replicate the same temperature stability as in the .308. It uses a different propellant, even though it is quite stable, it is not to the level of the .308 load. To test the .223, we again used a heavy barreled Sako 75 - a rifle that consistently puts five shots into 0.5" at 100 yards. Testing of the .223 focused on 100 yards, and we utilised velocity measurements to test the changes. The bottom line with the .223 was we got an extreme temperature variation over the 70°C of 70fps. To put it in perspective, we tested it against some Winchester Supreme 55gr Nosler Ballistic Tip, which is a very similar bullet to the Sierra BlitzKing used in the ADI Outback ammo. The Winchester Supreme, loaded with ball powder, had an extreme variation of 127fps, which is getting up towards double that of the BTI ammunition. So the Outback .223 still exhibits the same characteristics, only not as extreme as the .308 version.

On the accuracy front, five shots into 0.6" with factory ammunition was possible, with the largest groups being around 1.3". You can see the five shot groups on the target with the hot, cold and standard temperature. I did little more than velocity test the 69 grain .223 load as a faster twist than one in 10 is required to stabilize the bullets for best accuracy.

Outback Ammunition looks to be a very good quality product, and more calibres will be added in time. Those I have heard suggested are .243, .270 and .30-06, and in time even .22-250 and .30-30. This ammunition is also being exported in a big way. With ADI's new powder manufacturing facility currently being built, you would have to believe that these outstanding quality propellants will only get better, and the extreme BTI features shown in the .308 ammunition will be replicated across the range.

If you hunt in highly variable temperature conditions, from the heat of the Australian outback in the summer, to the cold, snow and ice of the sambar hills in the winter, then check out the range of Outback ammunition that is being distributed in Australia by Winchester. It is indeed right at the forefront of the future of high performance, highly temperature stable factory ammunition. **



Sectioning of the cases shows the ADI case in the right, slightly heavier in construction than the Winchester case on the left, about 14 grains heavier, actually. I found the cases to be solid and did a reloading torture test on the .223s – I reloaded three cases ten times without any neck splitting or rupturing, and the primer pockets after ten loads were still tight.

Outback Ammunition .308 168gr Sierra Matchking

	High	Low	Extreme Spread	Average	Variation from ambient
Factory Spec				2791fps	+45fps
Ambient Temp 26°C	2798fps	2745fps		2746fps	
53°C	2755fps	2743fps	3.4fps	2750fps	+4fps
-15°C	2736fps	2726fps	12.6fps	2732fps	-14fps

Highland SX 168gr Sierra Matchking

	High	Low	Extreme	Average	Variation from
			Spread		ambient
Ambient Temp 26°C	2594fps	2586fps	7.6fps	2589fps	
53°C	2650fps	2685fps	24.3fps	2636fps	+47fps
-15°C	2533fps	2507fps	26.5fps	2520fps	-69fps

Outback Ammunition .223 55gr Sierra Blitzking

	High	Low	Extreme Spread	Average	Variation from ambient
Factory Spec				3264fps	+166fps
Ambient Temp 27°C	3112fps	3073fps	38fps	3098fps	
53°C	3155fps	3130fps	24fps	3140fps	+42fps
-15°C	3097fps	3046fps	51fps	3070fps	-28fps

Winchester Supreme 55gr Nosler Ballistic Silver Tip

	_		-		
	High	Low	Extreme Spread	Average	Variation from ambient
Factory Spec				3240fps	+98fps
Ambient Temp 26°C	3202fps	3043fps	108fps	3142fps	
53°C	3203fps	3170fps	33fps	3186fps	+44fps
-15°C	3098fps	3024fps	75fps	3067fps	-83fps

ADI Outback Loads

	Factory Spec	Tested
165gr GameKing .308	2840fps	2790fps
150gr Scirocco II .308	2854fps	2823fps
69gr Sierra MatchKing .223	2959fps	2801fps









Four Outback ammunition projectiles recoverd from pigs. Two on the left are Swift, two on the right are Sierra GameKings. Note the high core retention of the Swift Scirocco with its bonded construction, as compared to the GameKings.



ADI Powders *

Powder	Application
Trail boss	Rifle/Pistol
AS30N	Shotgun/Pistol
AP50N	Pistol
AS50N	Shotgun
AP70N	Shotgun/Pistol
AP100	Pistol
AR2205	Rifle/Pistol
AR2207	Rifle

Powder	Application
Bench Mark 1	Rifle
AR2219	Rifle
Bench Mark 2	Rifle
Bench Mark 8208	Rifle
AR2206H	Rifle
AR2208	Rifle
AR2209	Rifle
AR2213SC	Rifle

Powder	Application
AR2217	Rifle
AR2225	Rifle
AR2218	Rifle

BULLET GLOSSARY *

Brand al	obreviation
BAR	Barnes
BEAR CRK	Bear Creek
BER	Berger
BERB	Berry's Bullets
BLX	Bull-X
ВТВ	Beartooth Bullets
СРВ	Cast Performance
FA	Freedom Arms
HDY	Hornady
LY	Lyman SPM
MEI	Meister
NOS	Nosler
REM	Remington
SFIRE	Sinterfire
SFT	Swift
SIE	Sierra
SPR	Speer
WDLGH	Woodleigh

Bullet abbreviation			
Accu-Bond			
A-Frame Semi-Spitzer			
Blitz King			
Bench Rest			
Ballistic Tip			
Boat Tail Spire Point			
Full Metal Case			
Full Metal Jacket			

Winchester

Bullet al	obreviation
FMJBT	Full Metal Jacket Boat Tail
FN	Flat Nose
FP	Flat Point
FPJ	Full Plated Jacket
FS	Fail Safe
GC	Gas Check
GDHP	Gold Dot Hollow Point
GDSP	Gold Dot Soft Point
GS	Grand Slam
НВ	Hollow Base
НС	Hollow Cavity
HP	Hollow Point
HPBT	Hollow Point Boat Tail
HSP	Hollow Soft Point
IB	Inter Bond
JFP	Jacketed Flat Point
JHC	Jacketed Hollow Cavity
JRN	Jacketed Round Nose
JSWC	Jacketed Semi-Wadcutter
LBBWC	Lead Bevel Base Wadcutter
LCN	Lead Conical Nose
LF	Lead Free
LFN	Lead Flat Nose
LFNPB	Lead Flat Nose Plain Base
LFP	Lead Flat Point
LHBWC	Lead Hollow Base Wadcutter
LRN	Lead Round Nose
LSWC	Lead Semi-Wadcutter
MK	Match King

Mag Tip Soft Point

MT-SP

Bullet ab	breviation
PART	Partition
PSPCL	Pointed Soft Point Core-Lokt
RN	Round Nose
SB	Solid Base
SBT	Spitzer Boat Tail
SCIR	Scirocco
SJ	Short Jacket
SMP	Semi-Pointed
SP	Soft Point, Spitzer, Spire Point
SPBT	Soft Point Boat Tail
SPT	Spitzer
SSP	Single Shot Pistol
SST	Super Shock Tip
ST	Silver Tip
SX	Super Explosive
TACT	Tactical
TARG	Target
TMJ	Totally Metal Jacket
TSX	Triple Shock X
VAR	Varmint
VG FB	Varmint Grenade
VLD	Very Low Drag
W/GCK	With Gas Check
WC	Wadcutter
XBT	X Boat Tail
XBTC	X Boat Tail Coated
XFB	X Flat Base
XPB	X Pistol Bullet
XTP	Extreme Terminal Performance

WIN

SHOTGUN POWDERS *

AS30N



A versatile fast burning rate, low bulk density shotgun and handgun powder. It can be loaded over a broad range of handgun cartridges giving superb accuracy, weapon function and clean burning. As a shotgun powder it can be loaded into 24 gram to 28 gram loads in 12 gauge with consistency and the cleanest burning characteristics gained.

TYPICAL LOAD: 12 gauge Winchester compression formed case 70mm length

WAD Winchester WAA1224
PRIMER Winchester W209
SHOT WEIGHT 24 grams lead shot

CHARGE WEIGHT 18.5 grains
VELOCITY 1,300 ft/sec
PRESSURE 9,500 psi

AS30N



An effective intermediate bulk density, fast/medium burning rate shotgun powder very suitable for 28 gram loads up to 1350 ft/sec in 12 gauge.

TYPICAL LOAD: 12 gauge Winchester compression formed case 70mm length

WAD Winchester WAA12SL PRIMER Winchester W209 SHOT WEIGHT 28 grams lead shot

CHARGE WEIGHT 21.5 grains
VELOCITY 1,300 ft/sec
PRESSURE 10,450 psi

AP70N



A versatile medium burning rate handgun powder and an effective slow/medium burning rate shotgun powder. It can be loaded over a broad range of handgun cartridges, from .32 to .45 calibre. As a shotgun powder it can be loaded into 32 gram to 36 gram loads in 12 gauge as well as loads in 20 and 28 gauges.

TYPICAL LOAD: 12 gauge Winchester compression formed case 70mm length

WAD Winchester WAA12
PRIMER Winchester W209
SHOT WEIGHT 32 grams lead shot

CHARGE WEIGHT 24.5 grains
VELOCITY 1,300 ft/sec
PRESSURE 11,200 psi



PISTOL POWDERS *

AS30N



A versatile fast burning rate, low bulk density shotgun and handgun powder. It can be loaded over a broad range of handgun cartridges giving superb accuracy, weapon function and clean burning. As a shotgun powder it can be loaded into 24 gram to 28 gram loads in 12 gauge with consistency and the cleanest burning characteristics gained.

TYPICAL LOAD: .38 Special (4" vented barrel) with 148 grain cast lead projectile

CHARGE WEIGHT 2.5 grains
VELOCITY 836 ft/secTrail

Trail Boss



Trail Boss is designed specifically for low velocity lead bullet loads for Single Action shooting. It is based on a whole new technology that allows very high loading density, good flow through powder measures, stability in regard to temperature variation and most importantly, additional safety for the handloader.

TYPICAL LOAD: 45 Colt with 200 grain cast lead projectile

CHARGE WEIGHT 6.5 grains VELOCITY 855 ft/sec

AP50N



An effective intermediate bulk density medium/fast burning rate handgun powder very suitable for medium target loads in .38 special. It has proven its usefulness in equipment such as 'Ammo' Load for the automated reloading of ammunition for police and paramilitary applications in this calibre. Its burning rate, bulk density and clean burning properties are similar to those of AS50N shotgun powder but it has superior metering characteristics for small charge weights.

TYPICAL LOAD: .38 Special (4" vented barrel) with 148 grain cast lead projectile

CHARGE WEIGHT 3.6 grains VELOCITY 745 ft/sec

AP70N



A versatile medium burning rate handgun powder and an effective slow/medium burning rate shotgun powder. It can be loaded over a broad range of handgun cartridges, from .32 to .45 calibre. As a shotgun powder it can be loaded into 32 gram to 36 gram loads in 12 gauge as well as loads in 20 and 28 gauges.

TYPICAL LOAD: .44 Remington Magnum (8" barrel) with 240 grain cast lead

CHARGE WEIGHT 10 grains
VELOCITY 1,225 ft/sec

AP100



An effective single base slow burning rate handgun powder suitable for major power factor loads in .38 super and similar cartridges. It shares the same clean burning and superior metering characteristics with the other ADI handgun powders.

TYPICAL LOAD: .38 Special (4" vented barrel) with 148 grain cast lead projectile

CHARGE WEIGHT 7.5 grains
VELOCITY 1,325 ft/sec

AR2205



A very fine grained, very fast burning rifle powder suited to .22 Hornet loads but also useful in some Magnum pistol loads. Its burning rate is close to that of IMR 4227.

TYPICAL LOAD: .357 Magnum (10" barrel) with 150 grain jacketed projectile

CHARGE WEIGHT 16.5 grains VELOCITY 1,583 ft/sec





RIFLE POWDERS *

Trail Boss



Trail Boss is designed specifically for low velocity lead bullet loads for Single Action shooting. It is based on a whole new technology that allows very high loading density, good flow through powder measures, stability in regard to temperature variation and most importantly, additional safety for the handloader.

TYPICAL LOAD: 45-70 Government with 385 grain cast lead projectile

CHARGE WEIGHT 16.0 grains VELOCITY 1,140 ft/sec

AR2205



A very fine grained, very fast burning rifle powder suited to .22 Hornet loads but also useful in some Magnum pistol loads. Its burning rate is close to that of IMR 4227.

TYPICAL LOAD: .22 Hornet with 45 grain jacketed projectile

CHARGE WEIGHT 9.8 grains VELOCITY 2,484 ft/sec

AR2207



A very useful fine grained fast burning rifle powder for cartridges such as the .222 Remington and 7.62mm x 39 Russian. Its burning rate is close to that of IMR 4198 although it meters significantly better through standard powder loaders.

TYPICAL LOAD: .222 Remington with 50 grain jacketed projectile

CHARGE WEIGHT 20.5 grains VELOCITY 3,160 ft/sec

Bench Mark 1



A very fine grained powder with very high bulk density and superior metering characteristics for use by bench rest shooters in cartridges such as .22 PPC. It is intermediate in burning rate between AR2207 and AR2206.

TYPICAL LOAD: .223 Remington with 55 grain jacketed projectile

CHARGE WEIGHT 22.6 grains VELOCITY 2,995 ft/sec

AR2219



Originally developed for the Australian Defence Force 5.56mm its burning rate lies between Bench Mark 1 and Bench Mark 2. It is considered having good accuracy in small and medium capacity cartridges.

TYPICAL LOAD: 6mm PPC with 70 grain jacketed projectile

CHARGE WEIGHT 26.5 grains VELOCITY 3,068 ft/sec

Bench Mark 2



A fine grained powder with very high bulk density and superior metering characteristics for use in national rifle association match loads such as .223 Remington with 68-69 grain projectiles. It is similar in burning rate to AR2206, but can be faster depending on the calibre used.

TYPICAL LOAD: .22-250 Remington with 52 grain jacketed projectile

CHARGE WEIGHT 34.6 grains VELOCITY 3,755 ft/sec

Bench Mark 8208



This short grain reloading powder has acquired a deserved reputation among serious shooters for accuracy and stability over a wide temperature range.

Bench Mark 8208 will maintain consistency from lot to lot, meaning that a load developed for this powder will need less tweaking.

TYPICAL LOAD: .204 Ruger

CHARGE WEIGHT 27.3 grains VELOCITY 3755 ft/sec

AR2206



TYPICAL LOAD: .308 Winchester with 155 grain jacketed projectile

CHARGE WEIGHT 44.5 grains VELOCITY 2,825 ft/sec



RIFLE POWDERS *

AR2206H



Has a burning rate slightly slower than AR2206, but faster than AR2208. A very versatile powder in a range of calibres giving outstanding accuracy.

TYPICAL LOAD: .308 Winchester with 155 grain jacketed projectile

CHARGE WEIGHT 46 grains VELOCITY 2,873 ft/sec

AR2208



A useful fine grained medium/slow burning rifle powder for medium sized cartridges such as .308 Winchester and 25-06. Its burning rate is close to that of IMR 4064 but its bulk density is higher.

TYPICAL LOAD: 30-30 Winchester with 150 grain jacketed projectile

CHARGE WEIGHT 34.5 grains VELOCITY 2,349 ft/sec

AR2209



A useful fine grained, moderately slow burning rifle powder for cartridges such as 22-250, .243 Winchester, .270 Winchester, 30-06 and 300 Winchester Magnum. Its burning rate is close to that of IMR 4350 but its bulk density is a little higher and its metering through a powder loader is better.

TYPICAL LOAD: .30-06 Springfield with 165 grain jacketed projectile

CHARGE WEIGHT 59 grains
VELOCITY 2,835 ft/sec

AR2213SC



A slow burning rate rifle powder for cartridges such as .270 Winchester and 300 Winchester Magnum. AR2213SC replaced AR2213 in the Australian reloading market.

TYPICAL LOAD: .300 Winchester Magnum with 165 grain jacketed projectile

CHARGE WEIGHT 75.5 grains VELOCITY 3,055 ft/sec

AR2217



A fine grained, very slow burning rifle powder, suited for use in most large calibre magnums.

TYPICAL LOAD: .7mm Remington Magnum with 150 grain jacketed projectile

CHARGE WEIGHT 68 grains
VELOCITY 2,936 ft/sec

AR2225



A very slow burning rate propellant optimised for the 300 Remington Ultra Magnum. It is also suitable for large capacity magnum cases and small overbore cartridges.

TYPICAL LOAD: 300 Remington Ultra Magnum with 180 grain jacketed projectile

CHARGE WEIGHT 100.5 grains VELOCITY 3,300 ft/sec

AR2218



An extremely slow burning rifle propellant, initially developed for the Australian Defence Force 0.50 cal and is perfect for over-bore, large capacity magnums.

TYPICAL LOAD: 30-378 Weatherby with 220 grain jacketed projectile

CHARGE WEIGHT 118.5 grains VELOCITY 3,145 ft/sec



RIFLE CASES *

.223 Cases



Our cases have been exclusively developed for military application and are manufactured to exacting military specifications. When you use ADI's cases you will achieve optimal performance and consistency every time. Used in conjunction with ADI powders you will be taking your quality, consistency and performance to the next level.

TYPICAL LOAD: 55 grain jacketed projectile with Bench Mark 1 Propellant

.50 Cal Cases



Nothing will prepare you for the performance of our .50 calibre cases. This highly specialised military case was designed and is manufactured for ultimate performance to military specifications. When used in conjunction with ADI powders you will experience rifle shooting at the highest level. Cases will be sold in bags of 10.

TYPICAL LOAD: 655 grain jacketed projectile and AR2218 Propellant.



***AUSTRALIAN GUTBACK

EXTREME PERFORMANCE - WHATEVER THE WEATHER

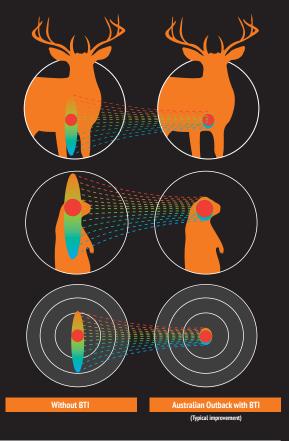






The only ammunition with Ballistic Temperature Independence (BTI) technology.

No matter if it's scorching hot or freezing cold, Australian Outback ammunition delivers consistent extreme high velocity and accuracy in all shooting conditions.





.223 Rem., 55gr., Sierra BlitzKing.223 Rem., 69gr., Sierra HPBT MatchKing



.308 Win., 150gr., Swift Scirocco II BTS .308 Win., 165gr., Sierra SBT GameKing .308 Win., 168gr., Sierra HPBT MatchKing

RELOADING SAFETY

- 1. These instructions on Reloading Safety should be read in conjunction with the Warnings section.
- 2. Take care at all times items and equipment used for reloading can all be dangerous if mishandled or abused.
- Keep reloading components out of the reach of children in particular powder, primers and lead projectiles.
- 4. Keep powder away from other combustible material and from possible sources of ignition.
- 5. Do not keep old powders, salvaged powders or powders of uncertain origins.
- Do not smoke in areas where powder is stored or while handling powder or primers.
- 7. Only store powder in its original container to avoid the risk of the powder being mislabelled.
- Do not leave any powder or primers in reloading presses or in powder/primer dispensers after handloading is completed.
- Clean up spilled powder promptly. Use a brush and dustpan. Do not use a vacuum cleaner. Keep the waste powder under water in a suitable container until it can be disposed of safely. Do not accumulate large amounts of waste powder.
- 10. Each ADI Powder has specific burning rate and bulking characteristics determined by its composition, geometry and manufacturing process. The factors are carefully controlled during manufacture to ensure consistent ballistic performance. Do not attempt to mix or blend different powders as such mixtures may produce dangerous and erratic velocities and pressures.
- 11. Develop a strict routine for reloading operations and avoid distraction such as television, visitors etc.
- 12. Recheck each operation for safety and uniformity.
- 13. Double check critical points like powder type, projectile weight and diameter before starting.

- 14. Only have one powder type and one projectile type in the actual working area while reloading.
- 15. Do not trim cases below the minimum design length for any calibre.
- 16. Ensure that cases are not deformed and are free of body splits, mouth cracks, enlarged primer pockets, enlarged flash holes and any foreign matter. Only use cases which are dry (but do not dry cases by direct heating or in an oven above 150° C).
- 17. Check projectiles for damage and ensure that lead projectiles are free from casting defects.
- 18. Always wear safety glasses or goggles while reloading and wear gloves while handling lead projectiles.
- 19. Owing to the effect of variations within allowable manufacturing tolerances for cartridge components made by different manufacturers, weapon variations and conditions, operating temperatures etc, pressures developed by any given rifle or pistol load can vary significantly from those that apply to our recommended loads. It is therefore essential that loads be worked up from a charge weight lower than the recommended maximum, watching for any signs of excessive pressure (difficult extraction, gas leaks, flattened or blown primers, unusual recoil or expanded case heads). Loads can then be worked up to safe comfortable levels providing signs of excessive pressure are not observed. If signs of excessive pressure are noticed then loads must be reduced until they are at least 5% lower than the load at which the excessive pressure signs were first noted.
- 20. Take special care when working up trial loads with slow burning powders in large calibre cartridges. Light loads in some calibres may produce occasional dangerously high pressures. It is suggested that minimum loads in large calibre cartridges should not be reduced below about 75% case capacity.

RELOADING SAFETY

- 21. Keep detailed records of your safe loads for your weapons and consult them before reloading. However, be prepared to work them up again whenever you change the lot of powder or alter the weapon. Normally a starting reduction of 5% in charge weight is all that should be necessary when you change lots of powder.
- 22. Never exceed maximum recommended loads.
- 23. Carry out frequent check weighing of powder charges thrown either by a hand operated powder measure or reloading press to ensure the setting has not changed. At least five charges should be used for each check using a good set of powder scales.
- 24. Because many recommended loads (especially for pistols) do not fill the cartridge case it is essential that, prior to bullet seating, each filled case is individually inspected to ensure that it contains only a single charge. Never load a cartridge with a double charge as excessively dangerous pressures are certain to occur. After bullet seating, the cartridge overall length must be individually checked to ensure that it has not fallen below the minimum design value where excessive dangerous pressures may be experienced.
- 25. Ensure that all reloaded cartridges are free from oil, grease, excess lead bullet lubricant and any other foreign matter prior to firing.

- 26. Never attempt to decap live primers from a cartridge case. Primed cases or cartridges should always be fired in a firearm to destroy the primer. NOTE: Whenever practicable, avoid loading to maximum possible velocity. Experienced shooters know that velocities which are somewhat slower than maximum will usually give the best accuracy while helping to prolong weapon and barrel life and making shooting more comfortable.
- 27. Any questions or concerns related to the use of ADI Powders should be directed to:
 Australian Munitions, Mulwala NSW at reload.support@adi-powders.com.au

WARNING

- For the safety of the purchaser and others, ADI powders must be used in accordance with the latest edition of the ADI Powders Handloaders' Guide. Overloading, incorrect storage or improper use can result in personal injury or death to the user and/or other persons as well as damage to property. It is essential that users of ADI powders:
- Follow the recommendations of the ADI Powders Handloaders' Guide by not exceeding the maximum loads.
- Use only the latest reloading data.
- Keep the powders out of reach of children and those persons unfamiliar with the properties of powders.
- Store the powders in a cool, dry and safe place with the lid tightly closed.
- Check the powders at least once per year for any signs of deterioration as described below.
- Store all powders in the original containers.
- Do not smoke in areas where ADI powders are stored and used.
- Do not have loaded firearms in areas where ADI powders are stored and used.
- Loading data provided within the ADI Powders Handloaders' Guide has been compiled from many sources including actual ballistic testing by Australian Munitions under controlled conditions and published loading/ballistic information available in the literature. The ballistic performance of powders varies considerably depending upon factors such as the type of firearm being used and its condition, the particular components being used in a cartridge with a powder, the reloading techniques used, the actual batch of the powder being loaded, weather conditions at the time of firing, etc. Therefore, it is not possible for the loading data in the ADI Powders Handloaders' Guide (or any other similar manual) to be other than a guide to a safe load for any particular application. Exceeding the recommended loading data will increase the chance of obtaining unsafe pressures and may result in damage and/or personal injury or even death.
- 3. While Australian Munitions controls the burning rate of its various powders within tight limits at the time of manufacture, all other factors affecting the ballistic performance of these powders at the time of use are outside Australian Munitions's control. Australian Munitions therefore disclaims any and all warranties concerning the use of its various powders for any particular application. Australian Munitions does not assume, nor does it authorise any person to assume for it, any liability in connection with the use of any product or data.
- The buyer of ADI Powders assumes the risk of having to follow safe loading practices otherwise damage and/or severe personal injury (including death) may occur.

- 5. NEVER substitute ADI Powders for black powder or Pyrodex® and NEVER mix ADI powders with these materials. NEVER use ADI powders in black powder firearms, saluting cannons or similar devices. Any of these practices may result in the firearm blowing apart resulting in property damage, personal injury or even death.
- Store powders in a cool dry place separate from solvents, flammable gases and other combustible materials. Ensure that the storage area selected is free from any possible source of excess heat and is isolated from open flame, hot water heaters, furnaces, chimneys, flue pipes, etc. Avoid storing powders in areas which may be heated by the sun or where electrical, electronic or mechanical equipment is operated. Do not allow containers of powder to contact walls of storage areas that are exposed on the other side to sunlight or other form of heating. Any such form of heating or ignition may result in a fire, either immediately or after some time due to accelerated chemical deterioration and subsequent spontaneous ignition. An average storage temperature below 25° C is recommended to obtain a safe shelf life of at least 10 years from the date of packing. Increased storage temperature will reduce the safe shelf life significantly by approximately one-third for every 10° C above 25° C.
- 7. All powders deteriorate chemically as they get older. This rate of deterioration can be accelerated by storage in warm conditions, exposure to other chemicals and exposure to direct sunlight etc. Any such deterioration may ultimately lead to a fire through spontaneous ignition of the powder. CHECK containers of smokeless powder for possible chemical deterioration through age or inadequate storage. Yearly checks are recommended. Chemical deterioration may ultimately lead to spontaneous ignition of the powder. Chemical deterioration of smokeless powder can be recognised by carefully smelling the contents of the container. Any deterioration produces an acrid, acidic odour quite different from the normal sweet smelling odours of ethanol or ether that are usually present. Rusting of metal surfaces exposed to smokeless powder can also indicate deterioration.
- 8. Deteriorated smokeless powder should be disposed of by carefully burning it in thin layers (not more than 10mm deep) in small quantities (never more than 500 gram) in an isolated location (at least 10 metres from any other combustible material). DO NOT LIGHT THE POWDER DIRECTLY. Always use an ignition train of slow burning combustible material so that you are able to retreat to a safe distance before the powder ignites.

WARNING

- 9. Store ADI Powders in their original containers, which have been approved for that purpose. Storage cabinets used for storage of containers of powders should be constructed of insulating materials with weak walls, seams or joints to provide easy venting in the event of a fire. Such storage cabinets should not be located on walls where heating on the other side (by the sun or other heating arrangement) will occur.
- DO NOT SMOKE in areas where smokeless powder is stored or used
- 11. DO NOT HAVE LOADED FIREARMS in areas where ADI Powders are stored or used—accidental or intended operation of the firearm may cause ignition of smokeless powder, either by direct ignition of powder in the open or through bullet impact on containers of powders.
- 12. Do not cut, pierce or puncture powder containers.
- 13. ADI rifle powders are designed to give less ballistic variation with temperature changes than regular powders. This does not mean that ballistics will never change with temperature. The extent to which change is minimised depends upon many factors including the calibre, primer brand and projectile weight. Care should always be taken to ensure that any particular load is safe at the extreme temperatures at which it will be used.
- 14. Powders can change their moisture reasonably quickly if exposed to the atmosphere. Any change of moisture can affect the powder burning rate and the effectiveness or safety of a particular load. Always minimise the exposure of any smokeless powder to the atmosphere during loading. Use minimum quantities of powder at any time in powder loaders and keep lids on containers tightly closed at all times. Do not keep powders in loaders for long periods of time. In this way you are more likely to preserve the appropriate level of moisture for the lot of the powder in use and obtain consistent reliable ballistic performances from every load.
- 15. Follow the hints on Reloading Safety given in the ADI Powders Reloader's Guide. Remember that powders and ammunition are explosive and that firearms are only designed to operate within safe working limits and are not indestructible. The wrong combination of powder burning rate, charge weight, cartridge components and weapon can be disastrous. ALWAYS TAKE EXTREME CAUTION when you are reloading.

- 16. Never mix any varieties of powder, regardless of their type, brand or source.
- 17. Do not salvage powder from old cartridges, and do not mix new and salvaged powder.
- 18. Always store powder in the smallest practical quantities. If you have large quantities of powder, do not maintain it all in one place only. Spread your containers, and remember that small containers are safer than large containers.

Introduction

The shotgun data for this edition was developed through the use of pressure/proof barrels. All loads for standard cartridges adhere to the guidelines provided by the Sporting Arms and Ammunition Manufacturers Institute (SAAMI).

Loads have been listed in a convenient presentation that lists all components used for a given set of data. The data shown is to be used for lead shot only and should not be used with steel or bismuth shot. Never substitute components when loading shotshells using this data. Substitution of different components could cause excessive or unsafe pressures, which may result in damage to your firearm and/or personal injury.

Velocity

Velocity is measured electronically with the use of two magnetic sightscreens. The screens measure the time taken for the shot to pass through the screens. Screens are set at 3 feet apart with the first screen positioned 1½ feet from the muzzle.

Pressure

Pressures have been measured electronically with a transducer as pounds per square inch (psi). This method utilises a pressure transducer, which rests against the cartridge in the chamber. When the cartridge is fired, the gases cause the shotgun shell to expand against the pressure transducer.

Loading Instructions

When loading, weigh actual charges thrown by the bushing or charge bar. Bushing or charge bars do not throw the exact powder charge as listed in the tables. Charge weight variations occur because of small tolerances in bushing sizes, tolerances in bulk density of powder and the way each loader is mounted and operated. It is essential that charges being dropped are verified for safety and to ensure you are obtaining the charge weight listed.

24g - (7/8 oz) - \$	Shot size 3 to 12 Lead					
Powder	Weight (grains)	Pressure	Velocity	Wad type	Primer type	Barrel length
AS30N	19.0	6,150 PSI	1,200 fps	Gualandi	Fiocchi 616	30"
	19.0	6,150 PSI	1,200 fps	Gualandi	WIN209	30"
	20.0	6,600 PSI	1,250 fps	Gualandi	Fiocchi 616	30"
	20.0	6,600 PSI	1,250 fps	Gualandi	WIN209	30"
	20.5	7,150 PSI	1,300 fps	Gualandi	Fiocchi 616	30"
	20.5	7,150 PSI	1,300 fps	Gualandi	WIN209	30"
	21.5	7,700 PSI	1,350 fps	Gualandi	Fiocchi 616	30"
	21.5	7,700 PSI	1,350 fps	Gualandi	WIN209	30"
	22.5	8,250 PSI	1,400 fps	Gualandi	Fiocchi 616	30"
	22.5	8,250 PSI	1,400 fps	Gualandi	WIN209	30"
	23/4" (70mm) ACTIV P	lastic Cases				
Powder	Weight (grains)	Pressure	Velocity	Wad type	Primer type	Barrel length
AS30N	19.0	8,100 PSI	1,200 fps	Gualandi	Fiocchi 616	30"
	19.0	8,100 PSI	1,200 fps	Gualandi	WIN209	30"
	19.8	9,000 PSI	1,250 fps	Gualandi	Fiocchi 616	30"
	19.8	9,000 PSI	1,250 fps	Gualandi	WIN209	30"
	21.0	10,200 PSI	1,300 fps	Gualandi	Fiocchi 616	30"
	21.0	10,200 PSI	1,300 fps	Gualandi	WIN209	30"
AS50N	21.0	7,050 PSI	1,200 fps	Gualandi	Fiocchi 616	30"
	21.0	7,050 PSI	1,200 fps	Gualandi	WIN209	30"
	21.6	7,850 PSI	1,250 fps	Gualandi	Fiocchi 616	30"
	21.6	7,850 PSI	1,250 fps	Gualandi	WIN209	30"
	22.6	8,700 PSI	1,300 fps	Gualandi	Fiocchi 616	30"
	22.6	8,700 PSI	1,300 fps	Gualandi	WIN209	30"
	2¾" (70mm) ACTIV P -Shot size 3 to 12 Lead Weight (grains)	lastic Cases Pressure	Velocity	Wad type	Primer type	Barrel length
AS30N	18.7	11,250 PSI	1,200 fps	Gualandi	Fiocchi 616	30"
	18.7	11,250 PSI	1,200 fps	Gualandi	WIN209	30"
AS50N	21.0	8,550 PSI	1,200 fps	Gualandi	Fiocchi 616	30"
	21.0	8,550 PSI	1,200 fps	Gualandi	WIN209	30"
	22.0	10,450 PSI	1,250 fps	Gualandi	Fiocchi 616	30"
	22.0	10,450 PSI	1,250 fps	Gualandi	WIN209	30"
	22.6	11,350 PSI	1,300 fps	Gualandi	Fiocchi 616	30"
	22.6	11,350 PSI	1,300 fps	Gualandi	WIN209	30"
AP70N	26.0	8,800 PSI	1,250 fps	Gualandi	Fiocchi 616	30"
	26.0	8,800 PSI	1,250 fps	Gualandi	WIN209	30"
	07.0	0.050.001	4 200 fee	Cualandi	Fiocchi 616	30"
	27.0	9,850 PSI	1,300 fps	Gualandi	FIOCETILOTO	30

36g - (1 1/4 oz)	- Shot size 3 to 12 Lead					
Powder	Weight (grains)	Pressure	Velocity	Wad type	Primer type	Barrel length
AP70N	25.5	9,200 PSI	1,200 fps	Gualandi	Fiocchi 616	30"
	25.5	9,200 PSI	1,200 fps	Gualandi	WIN209	30"
	26.4	10,150 PSI	1,250 fps	Gualandi	Fiocchi 616	30"
	26.4	10,150 PSI	1,250 fps	Gualandi	WIN209	30"
	27.5	10,900 PSI	1,300 fps	Gualandi	Fiocchi 616	30"
	27.5	10,900 PSI	1,300 fps	Gualandi	WIN209	30"
12 Gauge 2	2¾" (70mm) Plastic F	Reiffenhaauser s	tyle cases (Fioc	chi Cheddite)		
24g - (7/8 oz) - L	ee Lead Slug					
Powder	Weight (grains)	Pressure	Velocity	Wad type	Primer type	Barrel length
AP70N	31.3	8,435 PSI	1,550 fps	B&P H.24	Fiocchi 616	30"
	32.6	7,812 PSI	1,550 fps	WAA12SL	WIN209	30"
	19.0		-		Fiocchi 616	30"
24g - (7/6 02) - 3 Powder	Shot size 3 to 12 Lead Weight (grains)	Pressure	Velocity	Wad type	Primer type	Barrel length
AS30N	19.0	6,150 PSI	1,200 fps	Gualandi	Fiocchi 616	30"
	19.0	6,150 PSI	1,200 fps	Gualandi	WIN209	30"
	16.8	6,200 PSI	1,200 fps	WAA12SL	WIN209	30"
	20.0	6,600 PSI	1,250 fps	Gualandi	Fiocchi 616	30"
	20.0	6,600 PSI	1,250 fps	Gualandi	WIN209	30"
	18.0	7,200 PSI	1,250 fps	WAA12SL	WIN209	30"
	10.0					
	20.5	7,150 PSI	1,300 fps	Gualandi	Fiocchi 616	30"
		7,150 PSI 7,150 PSI	1,300 fps 1,300 fps	Gualandi Gualandi	Fiocchi 616 WIN209	30" 30"
	20.5	,	•			
	20.5 20.5	7,150 PSI	1,300 fps	Gualandi	WIN209	30"
	20.5 20.5 19.0	7,150 PSI 8,000 PSI	1,300 fps 1,300 fps	Gualandi WAA12SL	WIN209 WIN209	30" 30"
	20.5 20.5 19.0 21.5	7,150 PSI 8,000 PSI 7,700 PSI	1,300 fps 1,300 fps 1,350 fps	Gualandi WAA12SL Gualandi	WIN209 WIN209 Fiocchi 616	30" 30" 30"
	20.5 20.5 19.0 21.5 21.5	7,150 PSI 8,000 PSI 7,700 PSI 7,700 PSI	1,300 fps 1,300 fps 1,350 fps 1,350 fps	Gualandi WAA12SL Gualandi Gualandi	WIN209 WIN209 Fiocchi 616 WIN209	30" 30" 30" 30"
	20.5 20.5 19.0 21.5 21.5 22.5 22.5 22.5	7,150 PSI 8,000 PSI 7,700 PSI 7,700 PSI 8,250 PSI 8,250 PSI	1,300 fps 1,300 fps 1,350 fps 1,350 fps 1,350 fps 1,400 fps 1,400 fps	Gualandi WAA12SL Gualandi Gualandi Gualandi Gualandi	WIN209 WIN209 Fiocchi 616 WIN209 Fiocchi 616	30" 30" 30" 30"
28g - (1 oz) - Le	20.5 20.5 19.0 21.5 21.5 22.5 22.5 22.5 23/4" (70mm) Plastic F	7,150 PSI 8,000 PSI 7,700 PSI 7,700 PSI 8,250 PSI 8,250 PSI	1,300 fps 1,300 fps 1,350 fps 1,350 fps 1,350 fps 1,400 fps 1,400 fps	Gualandi WAA12SL Gualandi Gualandi Gualandi Gualandi Chi Cheddite)	WIN209 WIN209 Fiocchi 616 WIN209 Fiocchi 616 WIN209	30" 30" 30" 30" 30" 30"
28g - (1 oz) - Le Powder	20.5 20.5 19.0 21.5 21.5 22.5 22.5 23/4" (70mm) Plastic F	7,150 PSI 8,000 PSI 7,700 PSI 7,700 PSI 8,250 PSI 8,250 PSI Reiffenhaauser s	1,300 fps 1,300 fps 1,350 fps 1,350 fps 1,350 fps 1,400 fps 1,400 fps tyle cases (Fioc	Gualandi WAA12SL Gualandi Gualandi Gualandi Gualandi Chi Cheddite) Wad type	WIN209 WIN209 Fiocchi 616 WIN209 Fiocchi 616 WIN209 Primer type	30" 30" 30" 30" 30" 30"
28g - (1 oz) - Le	20.5 20.5 19.0 21.5 21.5 22.5 22.5 22.5 23/4" (70mm) Plastic F	7,150 PSI 8,000 PSI 7,700 PSI 7,700 PSI 8,250 PSI 8,250 PSI	1,300 fps 1,300 fps 1,350 fps 1,350 fps 1,350 fps 1,400 fps 1,400 fps	Gualandi WAA12SL Gualandi Gualandi Gualandi Gualandi Chi Cheddite)	WIN209 WIN209 Fiocchi 616 WIN209 Fiocchi 616 WIN209	30" 30" 30" 30" 30" 30"

28g - (1 oz) - Sh	ot size 3 to 12 Lead					
Powder	Weight (grains)	Pressure	Velocity	Wad type	Primer type	Barrel length
AS30N	17.1	7,800 PSI	1,180 fps	WAA12SL	WIN209	30"
	19.5	7,750 PSI	1,200 fps	Gualandi	Fiocchi 616	30"
	19.5	7,750 PSI	1,200 fps	Gualandi	WIN209	30"
	18.5	9,200 PSI	1,235 fps	WAA12SL	WIN209	30"
	20.0	8,200 PSI	1,250 fps	Gualandi	Fiocchi 616	30"
	20.0	8,200 PSI	1,250 fps	Gualandi	WIN209	30"
	19.3	10,060 PSI	1,290 fps	WAA12SL	WIN209	30"
	21.0	9,050 PSI	1,300 fps	Gualandi	Fiocchi 616	30"
	21.0	9,050 PSI	1,300 fps	Gualandi	WIN209	30"
	22.0	9,800 PSI	1,350 fps	Gualandi	Fiocchi 616	30"
	22.0	9,800 PSI	1,350 fps	Gualandi	WIN209	30"
AS50N	19.0	7,100 PSI	1,180 fps	WAA12SL	WIN209	30"
	21.5	6,600 PSI	1,200 fps	Gualandi	Fiocchi 616	30"
	21.5	6,600 PSI	1,200 fps	Gualandi	WIN209	30"
	20.0	8,600 PSI	1,235 fps	WAA12SL	WIN209	30"
	22.5	7,250 PSI	1,250 fps	Gualandi	Fiocchi 616	30"
	22.5	7,250 PSI	1,250 fps	Gualandi	WIN209	30"
	21.1	9,600 PSI	1,290 fps	WAA12SL	WIN209	30"
	23.5	8,050 PSI	1,300 fps	Gualandi	Fiocchi 616	30"
	23.5	8,050 PSI	1,300 fps	Gualandi	WIN209	30"
	24.5	9,500 PSI	1,350 fps	Gualandi	Fiocchi 616	30"
	24.5	9,500 PSI	1,350 fps	Gualandi	WIN209	30"
	2 ³ ⁄ ₄ " (70mm) Plastic F	Reiffenhaauser st			VVIIVZUS	30
32g - (1 1/8 oz)	- Shot size 2 to BBs Lead		tyle cases (Fioc	chi Cheddite)		
32g - (1 1/8 oz) Powder		Reiffenhaauser st	tyle cases (Fioc	chi Cheddite) Wad type	Primer type Fiocchi 616	
32g - (1 1/8 oz) Powder	-Shot size 2 to BBs Lead Weight (grains) 26.5	Pressure 8,096 PSI	Velocity 1,300 fps	Wad type B&P H.24	Primer type Fiocchi 616	Barrel length
32g - (1 1/8 oz) Powder	- Shot size 2 to BBs Lead Weight (grains)	Pressure 8,096 PSI 7,934 PSI	tyle cases (Fioc	chi Cheddite) Wad type	Primer type	Barrel length
32g - (1 1/8 oz) Powder	- Shot size 2 to BBs Lead Weight (grains) 26.5 26.7	Pressure 8,096 PSI 7,934 PSI 8,898 PSI	Velocity 1,300 fps 1,350 fps 1,350 fps	Wad type B&P H.24 WAA12 B&P H.24	Primer type Fiocchi 616 WIN209	Barrel length
32g - (1 1/8 oz) Powder	-Shot size 2 to BBs Lead Weight (grains) 26.5 26.7 27.8 27.9	Pressure 8,096 PSI 7,934 PSI 8,898 PSI 8,722 PSI	Velocity 1,300 fps 1,300 fps 1,350 fps 1,350 fps	Wad type B&P H.24 WAA12 B&P H.24 WAA12	Primer type Fiocchi 616 WIN209 Fiocchi 616 WIN209	Barrel length 30" 30" 30"
32g - (1 1/8 oz) Powder	- Shot size 2 to BBs Lead Weight (grains) 26.5 26.7 27.8	Pressure 8,096 PSI 7,934 PSI 8,898 PSI	Velocity 1,300 fps 1,350 fps 1,350 fps	Wad type B&P H.24 WAA12 B&P H.24	Primer type Fiocchi 616 WIN209 Fiocchi 616	30" 30" 30" 30" 30"
32g - (1 1/8 oz) - Powder AP70N	-Shot size 2 to BBs Lead Weight (grains) 26.5 26.7 27.8 27.9 28.4 28.5 23/4" (70mm) Plastic F	Pressure 8,096 PSI 7,934 PSI 8,898 PSI 8,722 PSI 9,299 PSI 9,116 PSI	Velocity 1,300 fps 1,300 fps 1,350 fps 1,350 fps 1,375 fps 1,375 fps	Wad type B&P H.24 WAA12 B&P H.24 WAA12 B&P H.24 WAA12 WAA12	Primer type Fiocchi 616 WIN209 Fiocchi 616 WIN209 Fiocchi 616	Barrel length 30" 30" 30" 30" 30"
32g - (1 1/8 oz) - Powder AP70N 12 Gauge 2	-Shot size 2 to BBs Lead Weight (grains)	Pressure 8,096 PSI 7,934 PSI 8,898 PSI 8,722 PSI 9,299 PSI 9,116 PSI Reiffenhaauser st	Velocity 1,300 fps 1,300 fps 1,350 fps 1,350 fps 1,375 fps 1,375 fps tyle cases (Fioc	Wad type B&P H.24 WAA12 B&P H.24 WAA12 B&P H.24 WAA12 Chi Cheddite)	Primer type Fiocchi 616 WIN209 Fiocchi 616 WIN209 Fiocchi 616 WIN209	Barrel length 30" 30" 30" 30" 30" 30"
32g - (1 1/8 oz) - Powder AP70N 12 Gauge 2 32g - (1 1/8 oz) -	-Shot size 2 to BBs Lead Weight (grains) 26.5 26.7 27.8 27.9 28.4 28.5 23/4" (70mm) Plastic F Shot size 3 to 12 Lead Weight (grains)	Pressure 8,096 PSI 7,934 PSI 8,898 PSI 8,722 PSI 9,299 PSI 9,116 PSI Reiffenhaauser st	Velocity 1,300 fps 1,300 fps 1,350 fps 1,350 fps 1,375 fps 1,375 fps tyle cases (Fioc	Wad type B&P H.24 WAA12 B&P H.24 WAA12 B&P H.24 WAA12 Chi Cheddite) Wad type	Primer type Fiocchi 616 WIN209 Fiocchi 616 WIN209 Fiocchi 616 WIN209 Primer type	Barrel length
2g - (1 1/8 oz) - Powder AP70N 12 Gauge 2 32g - (1 1/8 oz) - Powder	-Shot size 2 to BBs Lead Weight (grains) 26.5 26.7 27.8 27.9 28.4 28.5 23/4" (70mm) Plastic F Shot size 3 to 12 Lead Weight (grains) 19.2	Pressure 8,096 PSI 7,934 PSI 8,898 PSI 8,722 PSI 9,299 PSI 9,116 PSI Reiffenhaauser st Pressure 7,000 PSI	Velocity 1,300 fps 1,300 fps 1,350 fps 1,350 fps 1,375 fps 1,375 fps 1,375 fps Velocity 1,090 fps	Wad type B&P H.24 WAA12 B&P H.24 WAA12 B&P H.24 WAA12 Chi Cheddite) Wad type WAA12	Primer type Fiocchi 616 WIN209 Fiocchi 616 WIN209 Fiocchi 616 WIN209 Primer type WIN209	Barrel length 30" 30" 30" 30" 30" 30"
2g - (1 1/8 oz) - Powder AP70N 12 Gauge 2 32g - (1 1/8 oz) - Powder	-Shot size 2 to BBs Lead Weight (grains)	Pressure 8,096 PSI 7,934 PSI 8,898 PSI 8,722 PSI 9,299 PSI 9,116 PSI Reiffenhaauser st Pressure 7,000 PSI 7,400 PSI	Velocity 1,300 fps 1,300 fps 1,350 fps 1,350 fps 1,375 fps 1,375 fps Velocity 1,090 fps 1,145 fps	Wad type B&P H.24 WAA12 B&P H.24 WAA12 B&P H.24 WAA12 Chi Cheddite) Wad type WAA12 WAA12	Primer type Fiocchi 616 WIN209 Fiocchi 616 WIN209 Fiocchi 616 WIN209 Primer type WIN209 WIN209	Barrel length
22g - (1 1/8 oz) - Powder AP70N 12 Gauge 2 22g - (1 1/8 oz) - Powder	-Shot size 2 to BBs Lead Weight (grains)	Pressure 8,096 PSI 7,934 PSI 8,898 PSI 8,722 PSI 9,299 PSI 9,116 PSI Pressure 7,000 PSI 7,400 PSI 8,500 PSI	Velocity 1,300 fps 1,300 fps 1,350 fps 1,350 fps 1,375 fps 1,375 fps 1,375 fps tyle cases (Fioc Velocity 1,090 fps 1,145 fps 1,200 fps	Wad type B&P H.24 WAA12 B&P H.24 WAA12 B&P H.24 WAA12 B&P H.24 WAA12 WAA12 Chi Cheddite) Wad type WAA12 WAA12 Gualandi	Primer type Fiocchi 616 WIN209 Fiocchi 616 WIN209 Fiocchi 616 WIN209 Primer type WIN209 WIN209 Fiocchi 616	Barrel length
22g - (1 1/8 oz) - Powder AP70N 12 Gauge 2 32g - (1 1/8 oz) - Powder	-Shot size 2 to BBs Lead Weight (grains) 26.5 26.7 27.8 27.9 28.4 28.5 23/4" (70mm) Plastic F Shot size 3 to 12 Lead Weight (grains) 19.2 19.7 22.0 22.0	Pressure 8,096 PSI 7,934 PSI 8,898 PSI 8,722 PSI 9,299 PSI 9,116 PSI Reiffenhaauser st Pressure 7,000 PSI 7,400 PSI 8,500 PSI 8,500 PSI	Velocity 1,300 fps 1,300 fps 1,350 fps 1,350 fps 1,375 fps 1,375 fps 1,375 fps 1,375 fps 1,145 fps 1,200 fps 1,200 fps	Wad type B&P H.24 WAA12 B&P H.24 WAA12 B&P H.24 WAA12 Chi Cheddite) Wad type WAA12 WAA12 Gualandi Gualandi	Primer type Fiocchi 616 WIN209 Fiocchi 616 WIN209 Fiocchi 616 WIN209 Primer type WIN209 WIN209 Fiocchi 616 WIN209 Fiocchi 616 WIN209	Barrel length
22g - (1 1/8 oz) - Powder AP70N 12 Gauge 2 32g - (1 1/8 oz) - Powder	-Shot size 2 to BBs Lead Weight (grains) 26.5 26.7 27.8 27.9 28.4 28.5 23/4" (70mm) Plastic F Shot size 3 to 12 Lead Weight (grains) 19.2 19.7 22.0 22.0 21.0	Pressure 8,096 PSI 7,934 PSI 8,898 PSI 8,722 PSI 9,299 PSI 9,116 PSI Reiffenhaauser st Pressure 7,000 PSI 7,400 PSI 8,500 PSI 8,500 PSI 8,500 PSI	Velocity 1,300 fps 1,300 fps 1,350 fps 1,350 fps 1,375 fps 1,375 fps 1,375 fps 1,45 fps 1,200 fps 1,200 fps 1,200 fps	Wad type B&P H.24 WAA12 B&P H.24 WAA12 B&P H.24 WAA12 Chi Cheddite) Wad type WAA12 WAA12 Gualandi Gualandi WAA12	Primer type Fiocchi 616 WIN209 Fiocchi 616 WIN209 Fiocchi 616 WIN209 Primer type WIN209 WIN209 Fiocchi 616 WIN209 WIN209 Fiocchi 616 WIN209 VIN209 VIN209	Barrel length
2g - (1 1/8 oz) - Powder AP70N 12 Gauge 2 32g - (1 1/8 oz) - Powder	-Shot size 2 to BBs Lead Weight (grains) 26.5 26.7 27.8 27.9 28.4 28.5 23/4" (70mm) Plastic F -Shot size 3 to 12 Lead Weight (grains) 19.2 19.7 22.0 22.0 21.0 22.8	Pressure 8,096 PSI 7,934 PSI 8,898 PSI 8,722 PSI 9,299 PSI 9,116 PSI Pressure 7,000 PSI 7,400 PSI 8,500 PSI 8,500 PSI 9,500 PSI	Velocity 1,300 fps 1,300 fps 1,350 fps 1,350 fps 1,375 fps 1,375 fps 1,375 fps 1,445 fps 1,200 fps 1,200 fps 1,200 fps 1,255 fps	Wad type B&P H.24 WAA12 B&P H.24 WAA12 B&P H.24 WAA12 Chi Cheddite) Wad type WAA12 WAA12 Gualandi Gualandi WAA12 Gualandi	Primer type Fiocchi 616 WIN209 Fiocchi 616 WIN209 Fiocchi 616 WIN209 Primer type WIN209 WIN209 Fiocchi 616 WIN209 Fiocchi 616 WIN209 Fiocchi 616	Barrel length 30" 30" 30" 30" 30" 30" 30" 30" 30" 30"
2g - (1 1/8 oz) - Powder AP70N 12 Gauge 2 32g - (1 1/8 oz) - Powder	-Shot size 2 to BBs Lead Weight (grains) 26.5 26.7 27.8 27.9 28.4 28.5 23/4" (70mm) Plastic F Shot size 3 to 12 Lead Weight (grains) 19.2 19.7 22.0 22.0 21.0 22.8 22.8	Pressure 8,096 PSI 7,934 PSI 8,898 PSI 8,722 PSI 9,299 PSI 9,116 PSI Pressure 7,000 PSI 7,400 PSI 8,500 PSI 8,500 PSI 9,500 PSI 9,500 PSI	Velocity 1,300 fps 1,300 fps 1,350 fps 1,350 fps 1,375 fps 1,375 fps 1,375 fps 1,375 fps 1,200 fps 1,200 fps 1,200 fps 1,255 fps 1,255 fps	Wad type B&P H.24 WAA12 B&P H.24 WAA12 B&P H.24 WAA12 Chi Cheddite) Wad type WAA12 WAA12 Gualandi Gualandi Gualandi Gualandi Gualandi	Primer type Fiocchi 616 WIN209 Fiocchi 616 WIN209 Fiocchi 616 WIN209 Primer type WIN209 WIN209 Fiocchi 616 WIN209	Barrel length 30" 30" 30" 30" 30" 30" 30" 30" 30" 30"
32g - (1 1/8 oz) - Powder AP70N 12 Gauge 2 32g - (1 1/8 oz) - Powder	-Shot size 2 to BBs Lead Weight (grains) 26.5 26.7 27.8 27.9 28.4 28.5 23/4" (70mm) Plastic F -Shot size 3 to 12 Lead Weight (grains) 19.2 19.7 22.0 22.0 21.0 22.8 23.5	Pressure 8,096 PSI 7,934 PSI 8,898 PSI 8,722 PSI 9,299 PSI 9,116 PSI Pressure 7,000 PSI 7,400 PSI 8,500 PSI 8,500 PSI 9,500 PSI 9,500 PSI 11,000 PSI	Velocity 1,300 fps 1,300 fps 1,350 fps 1,350 fps 1,375 fps 1,375 fps 1,375 fps 1,375 fps 1,200 fps 1,200 fps 1,200 fps 1,255 fps 1,300 fps 1,300 fps	Wad type B&P H.24 WAA12 B&P H.24 WAA12 B&P H.24 WAA12 Chi Cheddite) Wad type WAA12 WAA12 Gualandi Gualandi Gualandi Gualandi Gualandi Gualandi	Primer type Fiocchi 616 WIN209 Fiocchi 616 WIN209 Fiocchi 616 WIN209 Primer type WIN209 WIN209 Fiocchi 616	Barrel length 30" 30" 30" 30" 30" 30" 30" 30" 30" 30"
12 Gauge 2 32g - (1 1/8 oz) - Powder 12 Gauge 2 32g - (1 1/8 oz) - Powder AS50N	-Shot size 2 to BBs Lead Weight (grains) 26.5 26.7 27.8 27.9 28.4 28.5 23/4" (70mm) Plastic F Shot size 3 to 12 Lead Weight (grains) 19.2 19.7 22.0 21.0 22.8 23.5 23.5 23.5 23.5 23.5 26.7 26.7 27.8 26.7 27.8 2	Pressure 8,096 PSI 7,934 PSI 8,898 PSI 8,722 PSI 9,299 PSI 9,116 PSI Reiffenhaauser st Pressure 7,000 PSI 7,400 PSI 8,500 PSI 8,500 PSI 9,500 PSI 9,500 PSI 11,000 PSI 11,000 PSI	Velocity 1,300 fps 1,300 fps 1,350 fps 1,350 fps 1,375 fps 1,375 fps tyle cases (Fioc Velocity 1,090 fps 1,200 fps 1,200 fps 1,200 fps 1,255 fps 1,300 fps 1,300 fps	Wad type B&P H.24 WAA12 B&P H.24 WAA12 B&P H.24 WAA12 Chi Cheddite) Wad type WAA12 WAA12 Gualandi Gualandi Gualandi Gualandi Gualandi Gualandi Gualandi Gualandi Gualandi	Primer type Fiocchi 616 WIN209 Fiocchi 616 WIN209 Fiocchi 616 WIN209 Primer type WIN209 WIN209 Fiocchi 616 WIN209	Barrel length 30" 30" 30" 30" 30" 30" 30" 30" 30" 30"
12 Gauge 2 32g - (1 1/8 oz) - Powder 12 Gauge 2 32g - (1 1/8 oz) - Powder AS50N	-Shot size 2 to BBs Lead Weight (grains) 26.5 26.7 27.8 27.9 28.4 28.5 23/4" (70mm) Plastic F -Shot size 3 to 12 Lead Weight (grains) 19.2 19.7 22.0 22.0 21.0 22.8 23.5 23.5 23.3	Pressure 8,096 PSI 7,934 PSI 8,898 PSI 8,722 PSI 9,299 PSI 9,116 PSI Pressure 7,000 PSI 7,400 PSI 8,500 PSI 8,500 PSI 9,500 PSI 9,500 PSI 11,000 PSI 11,000 PSI 11,000 PSI 9,100 PSI	Velocity 1,300 fps 1,300 fps 1,350 fps 1,350 fps 1,375 fps 1,375 fps 1,375 fps 1,45 fps 1,200 fps 1,200 fps 1,255 fps 1,300 fps 1,300 fps 1,300 fps 1,200 fps 1,200 fps	Wad type B&P H.24 WAA12 B&P H.24 WAA12 B&P H.24 WAA12 Chi Cheddite) Wad type WAA12 WAA12 Gualandi	Primer type Fiocchi 616 WIN209 Fiocchi 616 WIN209 Fiocchi 616 WIN209 Primer type WIN209 WIN209 Fiocchi 616	Barrel length 30" 30" 30" 30" 30" 30" 30" 30" 30" 30"
32g - (1 1/8 oz) Powder AP70N	-Shot size 2 to BBs Lead Weight (grains) 26.5 26.7 27.8 27.9 28.4 28.5 23/4" (70mm) Plastic F Shot size 3 to 12 Lead Weight (grains) 19.2 19.7 22.0 21.0 22.8 23.5 23.5 23.5 23.5 23.5 26.7 26.7 27.8 26.7 27.8 2	Pressure 8,096 PSI 7,934 PSI 8,898 PSI 8,722 PSI 9,299 PSI 9,116 PSI Reiffenhaauser st Pressure 7,000 PSI 7,400 PSI 8,500 PSI 8,500 PSI 9,500 PSI 9,500 PSI 11,000 PSI 11,000 PSI	Velocity 1,300 fps 1,300 fps 1,350 fps 1,350 fps 1,375 fps 1,375 fps tyle cases (Fioc Velocity 1,090 fps 1,200 fps 1,200 fps 1,200 fps 1,255 fps 1,300 fps 1,300 fps	Wad type B&P H.24 WAA12 B&P H.24 WAA12 B&P H.24 WAA12 Chi Cheddite) Wad type WAA12 WAA12 Gualandi Gualandi Gualandi Gualandi Gualandi Gualandi Gualandi Gualandi Gualandi	Primer type Fiocchi 616 WIN209 Fiocchi 616 WIN209 Fiocchi 616 WIN209 Primer type WIN209 WIN209 Fiocchi 616 WIN209	Barrel lengt 30" 30" 30" 30" 30" 30" 30" 30" 30" 30"

36g - (1 1/4 oz) -	Shot size 2 to BBs Lead					
Powder	Weight (grains)	Pressure	Velocity	Wad type	Primer type	Barrel length
AP70N	25.8	8,626 PSI	1,250 fps	B&P H.21	Fiocchi 616	30"
	26.1	8,313 PSI	1,250 fps	WAA12F114	WIN209	30"
	26.9	9,554 PSI	1,300 fps	B&P H.21	Fiocchi 616	30"
	26.9	9,305 PSI	1,300 fps	WAA12F114	WIN209	30"
	28.0	10,482 PSI	1,350 fps	B&P H.21	Fiocchi 616	30"
	27.7	10,296 PSI	1,350 fps	WAA12F114	WIN209	30"
12 Gauge 2	3⁄4" (70mm) Plastic R	eiffenhaauser s	tyle cases (Fiod	chi Cheddite)		
36g - (1 1/4 oz) -	Shot size 3 to 12 Lead			_		
Powder	Weight (grains)	Pressure	Velocity	Wad type	Primer type	Barrel length
AP70N	24.0	10,900 PSI	1,220 fps	WAA12F114	Fiocchi 616	30"
12 Gauge 2	3¼" (70mm) Plastic R	eiffenhaauser s	tyle cases (Fiod	cchi Cheddite)		
Powder	Weight (grains)	Pressure	Velocity	Wad type	Primer type	Barrel length
AS50N	22.7	7,153 PSI	1,250 fps	B&P H.21	Fiocchi 616	30"
	22.3	7,067 PSI	1,250 fps	WAA12F114	WIN209	30"
	23.9	8,243 PSI	1,300 fps	B&P H.21	Fiocchi 616	30"
	23.5	8,164 PSI	1,300 fps	WAA12F114	WIN209	30"
	25.0	9,334 PSI	1,350 fps	B&P H.21	Fiocchi 616	30"
	24.7	9,260 PSI	1,350 fps	WAA12F114	WIN209	30"
AP70N	25.8	7,931 PSI	1,300 fps	B&P H.21	Fiocchi 616	30"
	26.7	7,312 PSI	1,300 fps	WAA12F114	WIN209	30"
	27.2	8,523 PSI	1,350 fps	B&P H.21	Fiocchi 616	30"
	27.6	8,150 PSI	1,350 fps	WAA12F114	WIN209	30"
	28.5	9,115 PSI	1,400 fps	B&P H.21	Fiocchi 616	30"
	28.5	8,988 PSI	1,400 fps	WAA12F114	WIN209	30"
	_0.0	5,555 : 51	.,			
	3 ³ / ₄ " (70mm) Winches	ter Compression	n-formed AA &	HS type plastic c	ases	
24g - (7/8 oz) - L						
Powder	Weight (grains)	Pressure	Velocity	Wad type	Primer type	Barrel length
AP70N	29.7	9,548 PSI	1,550 fps	WAA12SL	WIN209	30"
12 Gauge 2	³ ⁄ ₄ " (70mm) Winches	ter Compressio	n-formed AA &	HS type plastic c	ases	
	hot size 3 to 12 Lead					· · · · · ·
Powder	Weight (grains)	Pressure	Velocity	Wad type	Primer type	Barrel length
AS30N	16.8	7,000 PSI	1,200 fps	WAA1224	CCI209	30"
	16.8	7,000 PSI	1,200 fps	WAA1224	Fiocchi 616	30"
	16.8	7,000 PSI	1,200 fps	WAA1224	WIN209	30"
	17.5	8,350 PSI	1,255 fps	WAA1224	CCI209	30"
	17.5	8,350 PSI	1,255 fps	WAA1224	Fiocchi 616	30"
	17.5	8,350 PSI	1,255 fps	WAA1224	WIN209	30"
	18.5	9,500 PSI	1,300 fps	WAA1224	CCI209	30"
	18.5	9,500 PSI	1,300 fps	WAA1224	Fiocchi 616	30"
	18.5	9,500 PSI	1,300 fps	WAA1224	WIN209	30"
	19.2	10,600 PSI	1,350 fps	WAA1224	CCI209	30"
	19.2	10,600 PSI	1,350 fps	WAA1224	Fiocchi 616	30"

24g - (//8 oz) - 3	Shot size 3 to 12 Lead					
Powder	Weight (grains)	Pressure	Velocity	Wad type	Primer type	Barrel length
	19.2	10,600 PSI	1,350 fps	WAA1224	WIN209	30"
AS50N	21.0	7,800 PSI	1,300 fps	WAA1224	CCI209	30"
	21.0	7,800 PSI	1,300 fps	WAA1224	Fiocchi 616	30"
	21.0	7,800 PSI	1,300 fps	WAA1224	WIN209	30"
	22.0	8,300 PSI	1,350 fps	WAA1224	CCI209	30"
	22.0	8,300 PSI	1,350 fps	WAA1224	Fiocchi 616	30"
	22.0	8,300 PSI	1,350 fps	WAA1224	WIN209	30"
12 Gauge / 28g - (1 oz) - Le Powder	23/4" (70mm) Winches ee Lead Slug Weight (grains)	Pressure	Velocity	Wad type	Primer type	Barrel length
AP70N	28.1	9,984 PSI	1,450 fps	WAA12	WIN209	30"
Powder	Weight (grains)	Pressure	Velocity	Wad type	Primer type	Barrel length
AS30N	vveignt (grains)	8,450 PSI	1,180 fps	WAA12SL	CCI209	30"
HOSUN	17.0	8,450 PSI	1,180 fps	WAA12SL WAA12SL	Fiocchi 616	30"
	17.0	8,450 PSI	1,180 fps	WAA12SL	WIN209	30"
	18.5	9,750 PSI	1,250 fps	WAA12SL	CCI209	30"
	18.5	9,750 PSI	1,250 fps	WAA12SL	Fiocchi 616	
			.,_00.p0			30"
	18.5	9.750 PSI	1.250 fps			30" 30"
	18.5 19.5	9,750 PSI 11,000 PSI	1,250 fps 1,300 fps	WAA12SL WAA12SL	WIN209 CCI209	30" 30"
		11,000 PSI		WAA12SL	WIN209	30"
	19.5		1,300 fps	WAA12SL WAA12SL	WIN209 CCI209	30"
AS50N	19.5 19.5	11,000 PSI 11,000 PSI	1,300 fps 1,300 fps	WAA12SL WAA12SL WAA12SL	WIN209 CCl209 Fiocchi 616	30" 30" 30"
AS50N	19.5 19.5 19.5	11,000 PSI 11,000 PSI 11,000 PSI	1,300 fps 1,300 fps 1,300 fps	WAA12SL WAA12SL WAA12SL WAA12SL	WIN209 CCI209 Fiocchi 616 WIN209	30" 30" 30" 30"
AS50N	19.5 19.5 19.5 19.5	11,000 PSI 11,000 PSI 11,000 PSI 8,000 PSI	1,300 fps 1,300 fps 1,300 fps 1,180 fps	WAA12SL WAA12SL WAA12SL WAA12SL WAA12SL	WIN209 CCI209 Fiocchi 616 WIN209 CCI209	30" 30" 30" 30"
AS50N	19.5 19.5 19.5 19.5 19.5	11,000 PSI 11,000 PSI 11,000 PSI 8,000 PSI 8,000 PSI	1,300 fps 1,300 fps 1,300 fps 1,180 fps 1,180 fps	WAA12SL WAA12SL WAA12SL WAA12SL WAA12SL WAA12SL WAA12SL	WIN209 CCI209 Fiocchi 616 WIN209 CCI209 Fiocchi 616	30" 30" 30" 30" 30"
AS50N	19.5 19.5 19.5 19.5 19.5 19.5	11,000 PSI 11,000 PSI 11,000 PSI 8,000 PSI 8,000 PSI 8,000 PSI	1,300 fps 1,300 fps 1,300 fps 1,180 fps 1,180 fps 1,180 fps	WAA12SL WAA12SL WAA12SL WAA12SL WAA12SL WAA12SL WAA12SL WAA12SL	WIN209 CCI209 Fiocchi 616 WIN209 CCI209 Fiocchi 616 WIN209	30" 30" 30" 30" 30" 30" 30"
AS50N	19.5 19.5 19.5 19.5 19.5 19.5 20.4	11,000 PSI 11,000 PSI 11,000 PSI 8,000 PSI 8,000 PSI 8,000 PSI 9,200 PSI	1,300 fps 1,300 fps 1,300 fps 1,300 fps 1,180 fps 1,180 fps 1,180 fps 1,250 fps	WAA12SL WAA12SL WAA12SL WAA12SL WAA12SL WAA12SL WAA12SL WAA12SL WAA12SL	WIN209 CCI209 Fiocchi 616 WIN209 CCI209 Fiocchi 616 WIN209 CCI209	30" 30" 30" 30" 30" 30" 30"
AS50N	19.5 19.5 19.5 19.5 19.5 19.5 20.4	11,000 PSI 11,000 PSI 11,000 PSI 8,000 PSI 8,000 PSI 8,000 PSI 9,200 PSI 9,200 PSI	1,300 fps 1,300 fps 1,300 fps 1,300 fps 1,180 fps 1,180 fps 1,180 fps 1,250 fps 1,250 fps	WAA12SL	WIN209 CCI209 Fiocchi 616 WIN209 CCI209 Fiocchi 616 WIN209 CCI209 Fiocchi 616	30" 30" 30" 30" 30" 30" 30" 30"
AS50N	19.5 19.5 19.5 19.5 19.5 19.5 20.4 20.4	11,000 PSI 11,000 PSI 11,000 PSI 8,000 PSI 8,000 PSI 8,000 PSI 9,200 PSI 9,200 PSI 9,200 PSI	1,300 fps 1,300 fps 1,300 fps 1,300 fps 1,180 fps 1,180 fps 1,180 fps 1,250 fps 1,250 fps 1,250 fps	WAA12SL	WIN209 CCI209 Fiocchi 616 WIN209 CCI209 Fiocchi 616 WIN209 CCI209 Fiocchi 616 WIN209 CCI209 Fiocchi 616 WIN209	30" 30" 30" 30" 30" 30" 30" 30"
AS50N	19.5 19.5 19.5 19.5 19.5 19.5 20.4 20.4 20.4 21.5	11,000 PSI 11,000 PSI 11,000 PSI 8,000 PSI 8,000 PSI 8,000 PSI 9,200 PSI 9,200 PSI 9,200 PSI 10,450 PSI	1,300 fps 1,300 fps 1,300 fps 1,300 fps 1,180 fps 1,180 fps 1,180 fps 1,250 fps 1,250 fps 1,250 fps 1,250 fps 1,300 fps	WAA12SL	WIN209 CCI209 Fiocchi 616 WIN209 CCI209 Fiocchi 616 WIN209 CCI209 Fiocchi 616 WIN209 CCI209 Fiocchi 616 CCI209 CCI209	30" 30" 30" 30" 30" 30" 30" 30"
AS50N	19.5 19.5 19.5 19.5 19.5 19.5 20.4 20.4 20.4 21.5 21.5	11,000 PSI 11,000 PSI 11,000 PSI 8,000 PSI 8,000 PSI 8,000 PSI 9,200 PSI 9,200 PSI 9,200 PSI 10,450 PSI 10,450 PSI	1,300 fps 1,300 fps 1,300 fps 1,300 fps 1,180 fps 1,180 fps 1,180 fps 1,250 fps 1,250 fps 1,250 fps 1,250 fps 1,300 fps 1,300 fps	WAA12SL	WIN209 CCI209 Fiocchi 616 WIN209 CCI209 Fiocchi 616 WIN209 CCI209 Fiocchi 616 WIN209 CCI209 Fiocchi 616 Fiocchi 616	30" 30" 30" 30" 30" 30" 30" 30"
AS50N	19.5 19.5 19.5 19.5 19.5 19.5 20.4 20.4 20.4 21.5 21.5	11,000 PSI 11,000 PSI 11,000 PSI 8,000 PSI 8,000 PSI 8,000 PSI 9,200 PSI 9,200 PSI 9,200 PSI 10,450 PSI 10,450 PSI	1,300 fps 1,300 fps 1,300 fps 1,300 fps 1,180 fps 1,180 fps 1,180 fps 1,250 fps 1,250 fps 1,250 fps 1,300 fps 1,300 fps 1,300 fps	WAA12SL	WIN209 CCI209 Fiocchi 616	30" 30" 30" 30" 30" 30" 30" 30"

12 Gauge 2¾" (70mm) Winchester Compression-formed AA & HS type plastic cases

32g - (1 1/8 oz) -	-Shot size 2 to BBs Lead					
Powder	Weight (grains)	Pressure	Velocity	Wad type	Primer type	Barrel length
AP70N	24.1	8,403 PSI	1,250 fps	WAA12	WIN209	30"
	25.0	9,411 PSI	1,300 fps	WAA12	WIN209	30"
	25.9	10,418 PSI	1,350 fps	WAA12	WIN209	30"
	26.4	10,922 PSI	1,375 fps	WAA12	WIN209	30"
	23/4" (70mm) Winches - Shot size 3 to 12 Lead	ster Compression	n-formed AA & I	HS type plastic o	ases	
Powder	Weight (grains)	Pressure	Velocity	Wad type	Primer type	Barrel length
AS30N	16.3	7,500 PSI	1,090 fps	WAA12	CCI209	30"
	16.3	7,500 PSI	1,090 fps	WAA12	Fiocchi 616	30"
	16.3	7,500 PSI	1,090 fps	WAA12	WIN209	30"
	17.0	10,000 PSI	1,145 fps	WAA12	CCI209	30"
	17.0	10,000 PSI	1,145 fps	WAA12	Fiocchi 616	30"
	17.0	10,000 PSI	1,145 fps	WAA12	WIN209	30"
AS50N	19.0	9,000 PSI	1,145 fps	WAA12	CCI209	30"
	19.0	9,000 PSI	1,145 fps	WAA12	Fiocchi 616	30"
	19.0	9,000 PSI	1,145 fps	WAA12	WIN209	30"
	19.5	9,850 PSI	1,200 fps	WAA12	CCI209	30"
	19.5	9,850 PSI	1,200 fps	WAA12	Fiocchi 616	30"
	19.5	9,850 PSI	1,200 fps	WAA12	WIN209	30"
AP70N	23.0	9,750 PSI	1,200 fps	WAA12	CCI209	30"
	23.0	9,750 PSI	1,200 fps	WAA12	Fiocchi 616	30"
	23.0	9,750 PSI	1,200 fps	WAA12	WIN209	30"
	23.5	10,100 PSI	1,250 fps	WAA12	CCI209	30"
	23.5	10,100 PSI	1,250 fps	WAA12	Fiocchi 616	30"
	23.5	10,100 PSI	1,250 fps	WAA12	WIN209	30"
	24.5	11,200 PSI	1,300 fps	WAA12	CCI209	30"
	24.5	11,200 PSI	1,300 fps	WAA12	Fiocchi 616	30"
	24.5	11,200 PSI	1,300 fps	WAA12	WIN209	30"
	2 ³ / ₄ " (70mm) Winches	ster Compression	n-formed AA & I	HS type plastic o	ases	
Powder	Weight (grains)	Pressure	Velocity	Wad type	Primer type	Barrel length
AP70N	23.8	10,365 PSI	1,250 fps	WAA12F114	WIN209	30"
	24.9	11,358 PSI	1,300 fps	WAA12F114	WIN209	30"
	2¾" (70mm) Winches	,				
- , ,	- Shot size 3 to 12 Lead	· - ·				<u> </u>
Powder	Weight (grains)	Pressure	Velocity	Wad type	Primer type	Barrel length
AP70N	22.5	11,400 PSI	1,220 fps	WAA12F114	CCI209	30"
	23.0	10,900 PSI	1,220 fps	WAA12F114	WIN209	30"

SG/00 - 9 Lead Ba	alls					
Powder	Weight (grains)	Pressure	Velocity	Wad type	Primer type	Barrel length
AS50N	21.1	8,963 PSI	1,250 fps	WAA12F114	WIN209	30"
	22.3	10,023 PSI	1,300 fps	WAA12F114	WIN209	30"
	23.5	11,084 PSI	1,350 fps	WAA12F114	WIN209	30"
AP70N	24.9	8,646 PSI	1,300 fps	WAA12F114	WIN209	30"
	25.8	9,498 PSI	1,350 fps	WAA12F114	WIN209	30"
	26.7	10,350 PSI	1,400 fps	WAA12F114	WIN209	30"
16 Gauge 2 ³	² ⁄ ₄ " (70mm) Winches	ster AA Plastic C	ompression-Fo	rmed Cases		
28g - (1 oz) - Sho	t size 3 to 12 Lead					
Powder	Weight (grains)	Pressure	Velocity	Wad type	Primer type	Barrel lengtl
AP70N	19.0	9,200 PSI	1,165 fps	WAA16	WIN209	30"
	20.0	10,300 PSI	1,220 fps	WAA16	WIN209	30"
	20.7	11,000 PSI	1,275 fps	WAA16	WIN209	30"
20 Gauge 23	½" (70mm) ACTIV P	Plastic Cases				
24g - (7/8 oz) - Sh	ot size 3 to 12 Lead					
Powder	Weight (grains)	Pressure	Velocity	Wad type	Primer type	Barrel lengtl
AP70N	18.5	8,300 PSI	1,200 fps	WAA20	WIN209	30"
28g - (1 oz) - Shot	/4" (70mm) ACTIV P					
_ · · ·	t size 3 to 12 Lead	Pressure	Velocity	Wad type	Primer type	Barrel lengtl
Powder		Pressure 8,700 PSI	Velocity 1,165 fps	Wad type WAA20F1	Primer type CCl209	Barrel lengtl
Powder	t size 3 to 12 Lead Weight (grains)			· ·		ŭ
Powder AP70N 20 Gauge 23	t size 3 to 12 Lead Weight (grains) 18.5	8,700 PSI 9,600 PSI	1,165 fps 1,220 fps ompression-Fo	WAA20F1 WAA20F1 rmed Cases	CCI209	30"
Powder AP70N 20 Gauge 23 22g - (3/4 oz) - Sh Powder	t size 3 to 12 Lead Weight (grains) 18.5 19.0 Winches ot size 3 to 12 Lead Weight (grains)	8,700 PSI 9,600 PSI ster AA Plastic C	1,165 fps 1,220 fps	WAA20F1 WAA20F1 rmed Cases Wad type	CCI209 CCI209 Primer type	30" 30" Barrel lengtl
Powder AP70N 20 Gauge 23 22g - (3/4 oz) - Sh Powder	t size 3 to 12 Lead Weight (grains) 18.5 19.0 V4" (70mm) Winches tot size 3 to 12 Lead Weight (grains) 15.0	8,700 PSI 9,600 PSI Ster AA Plastic C Pressure 8,700 PSI	1,165 fps 1,220 fps ompression-Fo Velocity 1,180 fps	WAA20F1 WAA20F1 rmed Cases Wad type WAA20	CCI209 CCI209 Primer type CCI209	30" 30" Barrel lengtl
Powder AP70N 20 Gauge 23 22g - (3/4 oz) - Sh Powder	t size 3 to 12 Lead Weight (grains) 18.5 19.0 Winches ot size 3 to 12 Lead Weight (grains)	8,700 PSI 9,600 PSI ster AA Plastic C Pressure 8,700 PSI 8,700 PSI	1,165 fps 1,220 fps ompression-Fo Velocity 1,180 fps 1,180 fps	WAA20F1 WAA20F1 rmed Cases Wad type WAA20 WAA20	CCI209 CCI209 Primer type CCI209 WIN209	30" 30" Barrel lengtl 30" 30"
Powder AP70N 20 Gauge 23 22g - (3/4 oz) - Sh Powder	t size 3 to 12 Lead Weight (grains) 18.5 19.0 Wir (70mm) Winches oot size 3 to 12 Lead Weight (grains) 15.0 15.0 16.0	8,700 PSI 9,600 PSI Ster AA Plastic C Pressure 8,700 PSI 8,700 PSI 9,820 PSI	1,165 fps 1,220 fps ompression-Fo Velocity 1,180 fps 1,245 fps	WAA20F1 WAA20F1 rmed Cases Wad type WAA20 WAA20 WAA20 WAA20	CCI209 CCI209 Primer type CCI209 WIN209 CCI209	30" 30" Barrel length 30" 30" 30"
Powder AP70N 20 Gauge 23 22g - (3/4 oz) - Sh Powder	t size 3 to 12 Lead Weight (grains) 18.5 19.0 4" (70mm) Winches tot size 3 to 12 Lead Weight (grains) 15.0 16.0 16.0	8,700 PSI 9,600 PSI Ster AA Plastic C Pressure 8,700 PSI 8,700 PSI 9,820 PSI 9,820 PSI	1,165 fps 1,220 fps 0mpression-Fo Velocity 1,180 fps 1,245 fps 1,245 fps	WAA20F1 WAA20F1 rmed Cases Wad type WAA20 WAA20 WAA20 WAA20 WAA20 WAA20	CCI209 CCI209 Primer type CCI209 WIN209 CCI209 WIN209 WIN209	30" 30" 30" Barrel lengtl 30" 30" 30" 30"
Powder AP70N 20 Gauge 23 22g - (3/4 oz) - Sh Powder	t size 3 to 12 Lead Weight (grains) 18.5 19.0 V4" (70mm) Winches tot size 3 to 12 Lead Weight (grains) 15.0 16.0 16.0 17.0	8,700 PSI 9,600 PSI Ster AA Plastic C Pressure 8,700 PSI 8,700 PSI 9,820 PSI 9,820 PSI 11,050 PSI	1,165 fps 1,220 fps 1,220 fps ompression-Fo Velocity 1,180 fps 1,180 fps 1,245 fps 1,245 fps 1,320 fps	WAA20F1 WAA20F1 rmed Cases Wad type WAA20 WAA20 WAA20 WAA20 WAA20 WAA20 WAA20	CCI209 CCI209 Primer type CCI209 WIN209 CCI209 WIN209 CCI209 CCI209	30" 30" 30" 30" 30" 30" 30" 30"
Powder AP70N 20 Gauge 23 22g - (3/4 oz) - Sh Powder	t size 3 to 12 Lead Weight (grains) 18.5 19.0 4" (70mm) Winches tot size 3 to 12 Lead Weight (grains) 15.0 16.0 16.0	8,700 PSI 9,600 PSI Ster AA Plastic C Pressure 8,700 PSI 8,700 PSI 9,820 PSI 9,820 PSI	1,165 fps 1,220 fps 0mpression-Fo Velocity 1,180 fps 1,245 fps 1,245 fps	WAA20F1 WAA20F1 rmed Cases Wad type WAA20 WAA20 WAA20 WAA20 WAA20 WAA20	CCI209 CCI209 Primer type CCI209 WIN209 CCI209 WIN209 WIN209	30" 30" 30" Barrel lengtl 30" 30" 30" 30"
Powder AP70N 20 Gauge 23 22g - (3/4 oz) - Sh Powder AP70N 20 Gauge 23	# size 3 to 12 Lead Weight (grains) 18.5 19.0	8,700 PSI 9,600 PSI Ster AA Plastic C Pressure 8,700 PSI 8,700 PSI 9,820 PSI 9,820 PSI 11,050 PSI 11,050 PSI	1,165 fps 1,220 fps ompression-Fo Velocity 1,180 fps 1,245 fps 1,245 fps 1,320 fps 1,320 fps	WAA20F1 WAA20F1 rmed Cases Wad type WAA20 WAA20 WAA20 WAA20 WAA20 WAA20 WAA20 WAA20 WAA20	CCI209 CCI209 Primer type CCI209 WIN209 CCI209 WIN209 CCI209 CCI209	30" 30" 30" 30" 30" 30" 30" 30"
Powder AP70N 20 Gauge 23 22g - (3/4 oz) - Sh Powder AP70N 20 Gauge 23 24g - (7/8 oz) - Sh	t size 3 to 12 Lead Weight (grains) 18.5 19.0 4" (70mm) Winches tot size 3 to 12 Lead Weight (grains) 15.0 16.0 16.0 17	8,700 PSI 9,600 PSI Ster AA Plastic C Pressure 8,700 PSI 8,700 PSI 9,820 PSI 9,820 PSI 11,050 PSI 11,050 PSI Ster AA Plastic C	1,165 fps 1,220 fps ompression-Fo Velocity 1,180 fps 1,180 fps 1,245 fps 1,245 fps 1,320 fps 1,320 fps ompression-Fo	WAA20F1 WAA20F1 rmed Cases Wad type WAA20	CCI209 CCI209 Primer type CCI209 WIN209 CCI209 WIN209 CCI209 WIN209 WIN209	30" 30" 30" 30" 30" 30" 30" 30" 30"
Powder AP70N 20 Gauge 23 22g - (3/4 oz) - Sh Powder AP70N 20 Gauge 23 24g - (7/8 oz) - Sh Powder	t size 3 to 12 Lead Weight (grains) 18.5 19.0	8,700 PSI 9,600 PSI Ster AA Plastic C Pressure 8,700 PSI 8,700 PSI 9,820 PSI 11,050 PSI 11,050 PSI 11,050 PSI Ster AA Plastic C	1,165 fps 1,220 fps ompression-Fo Velocity 1,180 fps 1,245 fps 1,245 fps 1,320 fps 1,320 fps ompression-Fo Velocity	WAA20F1 WAA20F1 rmed Cases Wad type WAA20	CCI209 CCI209 Primer type CCI209 WIN209 CCI209 WIN209 CCI209 WIN209 Primer type	30" 30" 30" 30" 30" 30" 30" 30" 30" 30"
Powder AP70N 20 Gauge 23 22g - (3/4 oz) - Sh Powder AP70N 20 Gauge 23 24g - (7/8 oz) - Sh Powder	t size 3 to 12 Lead Weight (grains) 18.5 19.0 2/4" (70mm) Winches 15.0 15.0 16.0 17.0 1	8,700 PSI 9,600 PSI Ster AA Plastic C Pressure 8,700 PSI 8,700 PSI 9,820 PSI 11,050 PSI 11,050 PSI 11,050 PSI CHAPTER AA Plastic C Pressure 10,100 PSI	1,165 fps 1,220 fps ompression-Fo Velocity 1,180 fps 1,245 fps 1,245 fps 1,320 fps 1,320 fps ompression-Fo Velocity 1,125 fps	WAA20F1 WAA20F1 rmed Cases Wad type WAA20	CCI209 CCI209 Primer type CCI209 WIN209 CCI209 WIN209 CCI209 WIN209 Primer type CCI209	30" 30" 30" 30" 30" 30" 30" 30" 30" 30"
Powder AP70N 20 Gauge 23 22g - (3/4 oz) - Sh Powder AP70N 20 Gauge 23 24g - (7/8 oz) - Sh Powder	t size 3 to 12 Lead Weight (grains) 18.5 19.0 Will (70mm) Winches ot size 3 to 12 Lead Weight (grains) 15.0 16.0 16.0 17.0 17.0 17.0 weight (grains) tot size 3 to 12 Lead Weight (grains) 15.0 15.0 15.0 15.0 15.0 15.0	8,700 PSI 9,600 PSI Ster AA Plastic C Pressure 8,700 PSI 8,700 PSI 9,820 PSI 9,820 PSI 11,050 PSI 11,050 PSI Control PSI Ster AA Plastic C Pressure 10,100 PSI 10,100 PSI	1,165 fps 1,220 fps ompression-Fo Velocity 1,180 fps 1,245 fps 1,245 fps 1,320 fps 1,320 fps ompression-Fo Velocity 1,125 fps 1,125 fps	WAA20F1 WAA20F1 rmed Cases Wad type WAA20	CCI209 CCI209 Primer type CCI209 WIN209 CCI209 WIN209 CCI209 WIN209 Primer type CCI209 VIN209	30" 30" 30" 30" 30" 30" 30" 30" 30" 30"
Powder AP70N 20 Gauge 23 22g - (3/4 oz) - Sh Powder AP70N 20 Gauge 23 24g - (7/8 oz) - Sh Powder	Weight (grains) 18.5 19.0	8,700 PSI 9,600 PSI 9,600 PSI Ster AA Plastic C Pressure 8,700 PSI 9,820 PSI 11,050 PSI	1,165 fps 1,220 fps ompression-Fo Velocity 1,180 fps 1,245 fps 1,245 fps 1,320 fps 1,320 fps ompression-Fo Velocity 1,125 fps 1,125 fps 1,160 fps	WAA20F1 WAA20F1 rmed Cases Wad type WAA20	CCI209 CCI209 Primer type CCI209 WIN209 CCI209 WIN209 CCI209 WIN209 Primer type CCI209 WIN209 CCI209 CCI209 CCI209 CCI209 CCI209 CCI209	30" 30" 30" 30" 30" 30" 30" 30" 30" 30"
Powder AP70N 20 Gauge 23 22g - (3/4 oz) - Sh Powder AP70N 20 Gauge 23	t size 3 to 12 Lead Weight (grains) 18.5 19.0 Will (70mm) Winches ot size 3 to 12 Lead Weight (grains) 15.0 16.0 16.0 17.0 17.0 17.0 weight (grains) tot size 3 to 12 Lead Weight (grains) 15.0 15.0 15.0 15.0 15.0 15.0	8,700 PSI 9,600 PSI Ster AA Plastic C Pressure 8,700 PSI 8,700 PSI 9,820 PSI 9,820 PSI 11,050 PSI 11,050 PSI Control PSI Ster AA Plastic C Pressure 10,100 PSI 10,100 PSI	1,165 fps 1,220 fps ompression-Fo Velocity 1,180 fps 1,245 fps 1,245 fps 1,320 fps 1,320 fps ompression-Fo Velocity 1,125 fps 1,125 fps	WAA20F1 WAA20F1 rmed Cases Wad type WAA20	CCI209 CCI209 Primer type CCI209 WIN209 CCI209 WIN209 CCI209 WIN209 Primer type CCI209 VIN209	30" 30" 30" 30" 30" 30" 30" 30" 30" 30"

32g - (1 1/8 oz) -	- Shot size 3 to 12 Lead					
Powder	Weight (grains)	Pressure	Velocity	Wad type	Primer type	Barrel length
AP70N	17	10,070 PSI	1,075 fps	Rem. SP 20	WIN209	30"
	18	11,990 PSI	1,135 fps	Rem. SP 20	WIN209	30"
20 Gauge 3	3" (75mm) Winchest	er AA Plastic Co	mpression-Forn	ned Cases		
32g - (1 1/8 oz)	- Shot size 3 to 12 Lead					
Powder	Weight (grains)	Pressure	Velocity	Wad type	Primer type	Barrel length
AP70N	16	11,130 PSI	1,070 fps	Rem. SP 20	WIN209	30"
	16.5	11,980 PSI	1,105 fps	Rem. SP 20	WIN209	30"
22g - (3/4 oz) - S	2 ³ / ₄ " (70mm) Winche Shot size 3 to 12 Lead	ster AA Plastic C	ompression-Fo	rmed Cases		
22g - (3/4 oz) - S Powder	23/4" (70mm) Winche Shot size 3 to 12 Lead Weight (grains)	ster AA Plastic C	ompression-Fo	rmed Cases Wad type	Primer type	Barrel length
22g - (3/4 oz) - S Powder	2 ³ / ₄ " (70mm) Winche Shot size 3 to 12 Lead	ster AA Plastic C	ompression-Fo	rmed Cases		
22g - (3/4 oz) - S Powder AP70N 410 Bore 2	23/4" (70mm) Winche Shot size 3 to 12 Lead Weight (grains)	Pressure 10,800 PSI	Ompression-Fo Velocity 1,200 fps	wad type WWAA28	Primer type	Barrel length
22g - (3/4 oz) - S Powder AP70N 110 Bore 2	23/4" (70mm) Winche Shot size 3 to 12 Lead Weight (grains) 13.0 21/2" Winchester AA F	Pressure 10,800 PSI	Ompression-Fo Velocity 1,200 fps	wad type WWAA28	Primer type	Barrel length
22g - (3/4 oz) - S Powder AP70N 410 Bore 2	23/4" (70mm) Winche Shot size 3 to 12 Lead Weight (grains) 13.0 21/2" Winchester AA F	Pressure 10,800 PSI Plastic Compress	Velocity 1,200 fps	wad type WWAA28	Primer type WIN209	Barrel length

SHOTGUN POWDER BUSHING CHART AS30N

CHARGE WEIGHT		PONSNESS WARREN	VIR VIR		LYMAN	REDDING	DL-155 DL-155APF DL-105	PACI 992-7 <i>Q</i>	FIC	GT, FW, LT A, AP, D, DD	TEXAN	HORNADY
(grains)	LEE	0 8	BLAIR	MEC	/ <i>\X</i> ₁	REL	DL-155 DL-155, DL-105	70		GT, A, A,	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	/ Q/
16.0	.141	Н		29								429
16.5	.148	F1				12	414	420	420	124	126	
	.155	I	429	30	H10	13						
17.0	.163	J		31						125	127	441
17.5		J1	441		H11		423	432	432		128	
18.0		J2		32		14				127	129	456
18.5	.171	G	450				432	441	441	128		
16.5		G1		33							130	
10.0	.180				H11A		444	450	450	1129	131	468
19.0			449	34	H12							
19.5		М	465							130	132	
20.0	.189			35			453	459	462	131		483
20.5		N		36	H13	15				132		
21.0		0		37								495
21.5		Р										
22.0	.198	Q		38								507
22.5				38A								
23.0												
23.5												

NOTE:

This bushing chart does not represent recommended charge weights. It is intended only as a guide to the approximate weight of powder which will be dropped by the listed bushing. It is essential that charges being dropped are weighed on each occasion a loading machine is used.

SHOTGUN POWDER BUSHING CHART AS50N

CHARGE WEIGHT (grains)	LEE	PONSNESS WARREN	BLAIR	MEC	LYMAN	REDDING	DL-155 DL-155APF DL-105	PACI	FIC	GT, FW, LT A, AP, D, DD	TEXAN	HORNADY
13.7	.105			21							I	
14.0												375
14.3				22								378
14.6												381
14.6												384
140				23								387
14.9												390
15.2	.116	D										393
15.5		D1		24								396
16.0	.122	E		25								402
16.5	.128	E1		26								408
				27								414
17.0		E2										
17.5	.134	F1		28								420
18.0				29								423
18.5	.141	Н				12				124		429
19.0		I	429	30	H10	13	414	420	420	125	126	435
19.5	.148	J		31							127	441
20.0		J1	441		H11		423	423	432	126	128	447
20.5	.155	K	450	32		14				127		453
							432	441	441		129	
21.0				33						128	130	459
21.5	.163	L			H11A					129		465
			459		H12		444	450	450		131	
22.0				34						130		471
22.5	.171	М	465								132	477
23.0				35			453	459	462	131	133	483
23.5	.180	N		36		15	462	479	474	132		489
24.0		0			H13							495
24.5	.189	Р		37								501
25.0		Q		38								507
25.5												
26.0	.198			38A								

NOTE

This bushing chart does not represent recommended charge weights. It is intended only as a guide to the approximate weight of powder which will be dropped by the listed bushing. It is essential that charges being dropped are weighed on each occasion a loading machine is used.

SHOTGUN POWDER BUSHING CHART AP70N

	/	1	/	1	/	/	1	PAC	IFIC	/	TEXAN	1
		\ \S \ .				/ (7	DL-155 DL-155APF DL-105	/	/	GT, FW, LT A, AP, D, DP	} /	ج /
		PONSNESS WARREN	· / ~		LYMAN	REDDING	155 55A	s / 99	99	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	` /	HORNADY
CHARGE WEIGHT	LEE	ON VAR	BLAIR	MEC	/ X	\ \?ED[1-1 _C	DL-266	DL-366	BT	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	/ g
(grains) 12.7		C			7		70	/ 7		/ - 4	112	
13.0		С		16							112	330
13.5				17							113	330
13.6				17						111	113	
14.0		D1		18						112	114	342
14.5		D1		19						112	115	342
15.0				13							116	354
15.5	.095	E		20						113	117	334
15.5	.055	-		21						114	117	366
16.0		E1		22						115		300
		E1		22						116	118	372
16.5	.105									110	110	372
	.103	E2		22							119	378
17.0		D		- 22						117	113	370
				23						117		384
17.4	.110	D1		23						118	120	304
18.0	.110	F								110	121	390
18.5	.116	F1		24							121	393
19.0	.110	F6		25						119	122	402
19.4	.122	10	26	23						120	123	405
20.0	.123	G	20	27						121	124	411
20.6	.123	G1		21						122	124	417
21.0	.134	- G1		28						123		420
21.5	.154			20			423	420	420	123	126	423
22.0		Н		29		12	723	420	420	124	127	429
22.5	.141			30		12	432	432	432	124	128	432
23.0	.141	-	429	30		13	732	732	732	125	120	438
25.0	.148	<u>'</u>	423	31	H10	13				126		441
23.5	.140			31	1110	14				127		771
24.0	.151	J	441		H11	14	447	447	447	127	129	447
24.5	.155	J1	441	32	1111		447	447	447		130	450
24.3	.133	K		32			AEC.	156	1EC	120		456
25.0	.163	L	450	33			456	456	456	128 129	131	430
-	.103	-	450				468	468	468	129	132	468
26.0		-	459	34			408	408	408	120		408
27.0	171	D.A.	465	35			400	400	490	130	133	100
27.0	.171	M	465	26		15	480	480	480	131		480
28.0		N		36	1145	15				132		489
29.0		0		37	H13					133		501

NOTE:

This bushing chart does not represent recommended charge weights. It is intended only as a guide to the approximate weight of powder which will be dropped by the listed bushing. It is essential that charges being dropped are weighed on each occasion a loading machine is used.

imum loocity 31 fps 15" .393"	oads Pressure -
15" .393"	
15" .393"	
15" .393"	
31 fps 15" .393"	-
15" .393"	
.393"	
mum lo	
mum lc	
	oads
ocity	Pressure
70 fps	42,500 CUF
8 fps	43,000 CUF
9 fps	42,700 CUF
	36,900 CUF
	42,000 CUF
0 fps	32,000 CUF
0 fps	41,800 CUF
3 fps	34,100 CUF
8 fps	43,000 CUF
8 fps	40,600 CUF
1 fps	43,000 CUF
2 fps	41,000 CUF
	Pressure
	-
-	32,900 CUF
00 fps	,
	-
00 fps	-
	-
	-
00 fps 15"	-
00 fps	-
00 fps 15"	-
15" .393"	- - Dads
15" .393"	- - oads Pressure
15" .393" imum loocity 24 fps	- - Dads Pressure 46,000 CUF
15" .393" imum loocity 24 fps	pads Pressure 46,000 CUF
15" .393" imum loocity 24 fps 22 fps 19 fps	- - - - - - - - - - - - - - - - - - -
15" .393" imum lo ocity 24 fps 22 fps 9 fps 69 fps	- - - - - - - - - - - - - - - - - - -
15" .393" imum lo ocity 24 fps 22 fps 99 fps 59 fps 50 fps	
15" .393" imum loocity 24 fps 22 fps 19 fps 20 fps 20 fps	
15" .393" imum lo ocity 24 fps 22 fps 99 fps 59 fps 50 fps	- - Dads
6 4 0 7 0 6 9 5 8 :	39 fps 61 fps 49 fps 00 fps 70 fps 03 fps 68 fps 98 fps 51 fps 82 fps 10" cimum loicity 00 fps

					Vinchester			ength: 15"	
22 K Hornet				Twist: 1	:14"		Trim len	gth: 1.393"	
_				Primer:	Winchester S	R			
					Start loa	ds		Maximum l	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
	AR2207	.224"	1.850"	11.5	2,167 fps	31,100 CUP	12.5C	2,352 fps	39,400 CUP
221 Remington Fire	eball			Twist: 1				ength: 10.75" egth: 1.390"	
				Primer:	Remington 7	1/2			
			1		Start loa	ds		Maximum l	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
40 GR. SPR SP	AR2205	.224"	1.830"	15.5	2,925 fps	-	17.0	3,033 fps	-
45 GR. HDY SP	AR2205	.224"	1.840"	15.0	2,592 fps	-	16.0	2,697 fps	-
	AR2207	.224"	1.840"	16.0	2,451 fps	-	17.0	2,632 fps	-
50 GR. NOS BT	AR2205	.224"	1.850"	15.0	2,582 fps	-	16.0	2,672 fps	-
	AR2207	.224"	1.850"	15.5	2,412 fps	-	16.5	2,539 fps	-
53 GR. SIE HPBT	AR2205	.224"	1.840"	15.0	2,449 fps	-	16.0	2,603 fps	-
	AR2207	.224"	1.840"	15.5	2,343 fps	-	16.5	2,537 fps	-
55 GR. SPR SP	AR2205	.224"	1.830"	14.5	2,418 fps	-	15.5	2,503 fps	-
	AR2207	.224"	1.830"	15.0	2,261 fps	-	16.0	2,441 fps	-
60 GR. HDY SP	AR2205	.224"	1.840"	14.0	2,328 fps	-	15.0	2,414 fps	-
	AR2207	.224"	1.840"	15.0	2,251 fps	-	16.0	2,399 fps	-
222 Dominaton				Twist -			Trim len	ath: -	
222 Remington				Twist: - Primer:			Trim len		
				Primer:	Start loa	1		Maximum l	1
Bullet	Powder	Bullet Diam.	C.O.L.		Start loa Velocity	ds Pressure	Grs.	Maximum le	oads Pressure
Bullet 45 GR. SIE SP	AR2207	Bullet Diam.	C.O.L.	Primer:		1	Grs. 20.5	Maximum levelocity 2,575 fps	1
Bullet 45 GR. SIE SP 50 GR. REM PSP	AR2207 AR2207	Bullet Diam.	1	Primer:		1	Grs. 20.5 20.0	Maximum levelocity 2,575 fps 2,525 fps	1
Bullet 45 GR. SIE SP 50 GR. REM PSP 52 GR. SIE HPBT	AR2207 AR2207 AR2207	Bullet Diam.	1	Primer:	Velocity -	1	Grs. 20.5 20.0 19.6	Maximum In Velocity 2,575 fps 2,525 fps 2,425 fps	1
Bullet 45 GR. SIE SP 50 GR. REM PSP	AR2207 AR2207	-	-	Primer: Grs.	Velocity -	Pressure - -	Grs. 20.5 20.0	Maximum levelocity 2,575 fps 2,525 fps	Pressure - -
Bullet 45 GR. SIE SP 50 GR. REM PSP 52 GR. SIE HPBT	AR2207 AR2207 AR2207	-	-	Primer: Grs	Velocity -	Pressure - -	Grs. 20.5 20.0 19.6 19.2	Maximum In Velocity 2,575 fps 2,525 fps 2,425 fps	Pressure - -
Bullet 45 GR. SIE SP 50 GR. REM PSP 52 GR. SIE HPBT 55 GR. SPR FMJ	AR2207 AR2207 AR2207 AR2207	-	-	Primer: Grs	Velocity Vinchester	Pressure - -	Grs. 20.5 20.0 19.6 19.2 Barrel le	Maximum II Velocity 2,575 fps 2,525 fps 2,425 fps 2,325 fps	Pressure - -
Bullet 45 GR. SIE SP 50 GR. REM PSP 52 GR. SIE HPBT	AR2207 AR2207 AR2207 AR2207	-	-	Primer: Grs. Case: V Twist: 1	Velocity Vinchester	Pressure	Grs. 20.5 20.0 19.6 19.2 Barrel le	Maximum II Velocity 2,575 fps 2,525 fps 2,425 fps 2,325 fps ength: 15"	Pressure - -
Bullet 45 GR. SIE SP 50 GR. REM PSP 52 GR. SIE HPBT 55 GR. SPR FMJ	AR2207 AR2207 AR2207 AR2207	-	-	Primer: Grs. Case: V Twist: 1	Velocity Vinchester :12" Winchester S	Pressure R	Grs. 20.5 20.0 19.6 19.2 Barrel le	Maximum le Velocity 2,575 fps 2,525 fps 2,425 fps 2,325 fps ength: 15" egth: 1.750"	Pressure
Bullet 45 GR. SIE SP 50 GR. REM PSP 52 GR. SIE HPBT 55 GR. SPR FMJ 223 Remington (5.5	AR2207 AR2207 AR2207 AR2207	-	-	Primer: Grs. Case: W Twist: 1 Primer:	Velocity Vinchester :12" Winchester S Start loa	Pressure R ds	Grs. 20.5 20.0 19.6 19.2 Barrel le	Maximum le Velocity 2,575 fps 2,525 fps 2,425 fps 2,325 fps ength: 15" gth: 1.750"	Pressure
Bullet 45 GR. SIE SP 50 GR. REM PSP 52 GR. SIE HPBT 55 GR. SPR FMJ 223 Remington (5.5	AR2207 AR2207 AR2207 AR2207 AR2207 Powder		- - - -	Primer: Grs. Case: V Twist: 1 Primer: Grs.	Velocity Vinchester :12" Winchester S Start loa Velocity	Pressure R ds Pressure	Grs. 20.5 20.0 19.6 19.2 Barrel le Trim len	Maximum le Velocity 2,575 fps 2,525 fps 2,425 fps 2,325 fps ength: 15" gth: 1.750" Maximum le Velocity	Pressure oads Pressure
Bullet 45 GR. SIE SP 50 GR. REM PSP 52 GR. SIE HPBT 55 GR. SPR FMJ 223 Remington (5.5	AR2207 AR2207 AR2207 AR2207 56 x 45mm)	-	- - - - - C.O.L. 2.200"	Primer: Grs. Case: W Twist: 1 Primer: Grs. 25.4	Velocity Vinchester :12" Winchester S Start loa Velocity 2,829 fps	Pressure R ds Pressure 44,500 PSI	Grs. 20.5 20.0 19.6 19.2 Barrel le Trim len Grs. 27.0C	Maximum I Velocity 2,575 fps 2,525 fps 2,425 fps 2,325 fps ength: 15" gth: 1.750" Maximum I Velocity 3,057 fps	Pressure 50,600 PSI
Bullet 45 GR. SIE SP 50 GR. REM PSP 52 GR. SIE HPBT 55 GR. SPR FMJ 223 Remington (5.5) Bullet 36 GR. BAR VG FB	AR2207 AR2207 AR2207 AR2207 AR2207 Fowder Bench Mark 8208		- - - - - - - - 2.200" 2.280"	Primer: Grs. Case: V Twist: 1 Primer: Grs. 25.4 20.5	Velocity Vinchester :12" Winchester S Start loa Velocity 2,829 fps 2,755 fps	Pressure R ds Pressure 44,500 PSI 29,400 CUP	Grs. 20.5 20.0 19.6 19.2 Barrel le Trim len Grs. 27.0C 22.5	Maximum le Velocity 2,575 fps 2,525 fps 2,425 fps 2,325 fps ength: 15" gth: 1.750" Maximum le Velocity 3,057 fps 3,014 fps	Pressure
Bullet 45 GR. SIE SP 50 GR. REM PSP 52 GR. SIE HPBT 55 GR. SPR FMJ 223 Remington (5.5) Bullet 36 GR. BAR VG FB	AR2207 AR2207 AR2207 AR2207 AR2207 Fowder Bench Mark 8208 AR2207	Bullet Diam224"	- - - - - C.O.L. 2.200"	Primer: Grs. Case: W Twist: 1 Primer: Grs. 25.4	Velocity Vinchester :12" Winchester S Start loa Velocity 2,829 fps 2,755 fps 2,783 fps	Pressure R ds Pressure 44,500 PSI	Grs. 20.5 20.0 19.6 19.2 Barrel le Trim len Grs. 27.0C	Maximum le Velocity 2,575 fps 2,525 fps 2,425 fps 2,325 fps ength: 15" gth: 1.750" Maximum le Velocity 3,057 fps 3,014 fps 3,087 fps	Pressure 50,600 PSI
Bullet 45 GR. SIE SP 50 GR. REM PSP 52 GR. SIE HPBT 55 GR. SPR FMJ 223 Remington (5.5) Bullet 36 GR. BAR VG FB	AR2207 AR2207 AR2207 AR2207 AR2207 Fowder Bench Mark 8208 AR2207 AR2219	Bullet Diam224" .224"	- - - - - - - - 2.200" 2.280" 2.280"	Primer: Grs. Case: W Twist: 1 Primer: Grs. 25.4 20.5 23.5	Velocity Vinchester :12" Winchester S Start loa Velocity 2,829 fps 2,755 fps 2,783 fps 2,900 fps	Pressure R ds Pressure 44,500 PSI 29,400 CUP 34,600 CUP 39,600 CUP	Grs. 20.5 20.0 19.6 19.2 Barrel le Trim len Grs. 27.0C 22.5 25.5 27.3	Maximum le Velocity 2,575 fps 2,525 fps 2,425 fps 2,325 fps ength: 15" gth: 1.750" Maximum le Velocity 3,057 fps 3,014 fps 3,087 fps 3,174 fps	Pressure
Bullet 45 GR. SIE SP 50 GR. REM PSP 52 GR. SIE HPBT 55 GR. SPR FMJ 223 Remington (5.5) Bullet 36 GR. BAR VG FB	AR2207 AR2207 AR2207 AR2207 AR2207 56 x 45mm) Powder Bench Mark 8208 AR2207 AR2219 Bench Mark 2	Bullet Diam. .224" .224" .224" .224"		Primer: Grs. Case: W Twist: 1 Primer: Grs. 25.4 20.5 23.5 25.3	Velocity Vinchester :12" Winchester S Start loa Velocity 2,829 fps 2,755 fps 2,783 fps	Pressure R ds Pressure 44,500 PSI 29,400 CUP 34,600 CUP	Grs. 20.5 20.0 19.6 19.2 Barrel le Trim len Grs. 27.0C 22.5 25.5	Maximum le Velocity 2,575 fps 2,525 fps 2,425 fps 2,325 fps ength: 15" gth: 1.750" Maximum le Velocity 3,057 fps 3,014 fps 3,087 fps	Pressure
Bullet 45 GR. SIE SP 50 GR. REM PSP 52 GR. SIE HPBT 55 GR. SPR FMJ 223 Remington (5.5) Bullet 36 GR. BAR VG FB	AR2207 AR2207 AR2207 AR2207 AR2207 56 x 45mm) Powder Bench Mark 8208 AR2207 AR2219 Bench Mark 2 Bench Mark 8208	Bullet Diam224" .224" .224" .224" .224"	C.O.L. 2.200" 2.280" 2.280" 2.280" 2.280"	Primer: Grs. Case: V Twist: 1 Primer: Grs. 25.4 20.5 23.5 25.3 25.0 25.0	Velocity Vinchester :12" Winchester S Start loa Velocity 2,829 fps 2,755 fps 2,783 fps 2,900 fps 2,755 fps 2,628 fps	Pressure R ds Pressure 44,500 PSI 29,400 CUP 34,600 CUP 39,600 CUP 41,500 PSI	Grs. 20.5 20.0 19.6 19.2 Barrel le Trim len Grs. 27.0C 22.5 25.5 27.3 26.7C 27.5C	Maximum le Velocity 2,575 fps 2,525 fps 2,425 fps 2,325 fps ength: 15" gth: 1.750" Maximum le Velocity 3,057 fps 3,014 fps 3,087 fps 3,174 fps 2,985 fps 3,060 fps	Pressure
Bullet 45 GR. SIE SP 50 GR. REM PSP 52 GR. SIE HPBT 55 GR. SPR FMJ 223 Remington (5.5 Bullet 36 GR. BAR VG FB 40 GR. NOS BT	AR2207 AR2207 AR2207 AR2207 AR2207 56 x 45mm) Powder Bench Mark 8208 AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2208	Bullet Diam224" .224" .224" .224" .224" .224"		Primer: Grs. Case: W Twist: 1 Primer: Grs. 25.4 20.5 23.5 25.3 25.0 25.0 25.0	Velocity Vinchester :12" Winchester S Start loa Velocity 2,829 fps 2,755 fps 2,783 fps 2,900 fps 2,755 fps 2,628 fps 2,609 fps	Pressure R ds Pressure 44,500 PSI 29,400 CUP 34,600 CUP 39,600 CUP 41,500 PSI 32,100 CUP 34,400 CUP	Grs. 20.5 20.0 19.6 19.2 Barrel le Trim len Grs. 27.0C 22.5 27.3 26.7C 27.5C 28.0C	Maximum II Velocity 2,575 fps 2,525 fps 2,425 fps 2,325 fps ength: 15" gth: 1.750" Maximum II Velocity 3,057 fps 3,014 fps 3,087 fps 3,174 fps 2,985 fps 3,060 fps 3,069 fps	Pressure
Bullet 45 GR. SIE SP 50 GR. REM PSP 52 GR. SIE HPBT 55 GR. SPR FMJ 223 Remington (5.5) Bullet 36 GR. BAR VG FB	AR2207 AR2207 AR2207 AR2207 AR2207 56 x 45mm) Powder Bench Mark 8208 AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2208 AR2208 AR2207	Bullet Diam. .224" .224" .224" .224" .224" .224" .224" .224" .224"	C.O.L. 2.200" 2.280" 2.280" 2.280" 2.280" 2.280" 2.280"	Primer: Grs. Case: W Twist: 1 Primer: Grs. 25.4 20.5 23.5 25.0 25.0 25.0 20.0	Velocity Vinchester :12" Winchester S Start loa Velocity 2,829 fps 2,755 fps 2,783 fps 2,900 fps 2,755 fps 2,628 fps 2,609 fps 2,617 fps	Pressure R ds Pressure 44,500 PSI 29,400 CUP 34,600 CUP 39,600 CUP 41,500 PSI 32,100 CUP 34,400 CUP 28,800 CUP	Grs. 20.5 20.0 19.6 19.2 Barrel le Trim len Grs. 27.0C 22.5 25.5 27.3 26.7C 27.5C 28.0C 22.0	Maximum II Velocity 2,575 fps 2,525 fps 2,425 fps 2,325 fps 2,325 fps 15" gth: 1.750" Maximum II Velocity 3,057 fps 3,014 fps 3,087 fps 3,174 fps 2,985 fps 3,060 fps 3,069 fps 2,847 fps	Pressure
Bullet 45 GR. SIE SP 50 GR. REM PSP 52 GR. SIE HPBT 55 GR. SPR FMJ 223 Remington (5.5 Bullet 36 GR. BAR VG FB 40 GR. NOS BT	AR2207 AR2207 AR2207 AR2207 AR2207 56 x 45mm) Powder Bench Mark 8208 AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2208 AR2207 AR2219	Bullet Diam224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224"	C.O.L. 2.200" 2.280" 2.280" 2.280" 2.280" 2.280" 2.280" 2.240"	Primer: Grs. Case: W Twist: 1 Primer: Grs. 25.4 20.5 23.5 25.0 25.0 25.0 25.0 23.0	Velocity Vinchester :12" Winchester S Start loa Velocity 2,829 fps 2,755 fps 2,783 fps 2,900 fps 2,755 fps 2,628 fps 2,609 fps 2,617 fps 2,635 fps	Pressure	Grs. 20.5 20.0 19.6 19.2 Barrel le Trim len Grs. 27.0C 22.5 25.5 27.3 26.7C 27.5C 28.0C 22.0 25.0	Maximum II Velocity 2,575 fps 2,525 fps 2,425 fps 2,325 fps ength: 15" gth: 1.750" Maximum II Velocity 3,057 fps 3,014 fps 3,087 fps 3,014 fps 2,985 fps 3,060 fps 3,069 fps 2,926 fps	Pressure
Bullet 45 GR. SIE SP 50 GR. REM PSP 52 GR. SIE HPBT 55 GR. SPR FMJ 223 Remington (5.5 Bullet 36 GR. BAR VG FB 40 GR. NOS BT	AR2207 AR2207 AR2207 AR2207 AR2207 56 x 45mm) Powder Bench Mark 8208 AR2207 AR2219 Bench Mark 8208 AR2206H AR2208 AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2208 BR2207 AR2219 Bench Mark 2	Bullet Diam. .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224"		Primer: Grs. Case: W Twist: 1 Primer: 25.4 20.5 23.5 25.0 25.0 25.0 25.0 25.0 23.0 25.3	Velocity Vinchester :12" Winchester S Start loa Velocity 2,829 fps 2,755 fps 2,783 fps 2,900 fps 2,755 fps 2,628 fps 2,609 fps 2,635 fps 2,635 fps 2,815 fps	Pressure R ds Pressure 44,500 PSI 29,400 CUP 34,600 CUP 41,500 PSI 32,100 CUP 32,100 CUP 34,400 CUP 36,000 CUP 41,400 CUP 41,400 CUP	Grs. 20.5 20.0 19.6 19.2 Barrel le Trim len Grs. 27.0C 22.5 27.3 26.7C 27.5C 28.0C 22.0 25.0 27.3	Maximum II Velocity 2,575 fps 2,525 fps 2,425 fps 2,325 fps ength: 15" gth: 1.750" Maximum II Velocity 3,057 fps 3,014 fps 3,087 fps 3,074 fps 2,985 fps 3,060 fps 3,069 fps 2,847 fps 2,926 fps 3,089 fps	Pressure
Bullet 45 GR. SIE SP 50 GR. REM PSP 52 GR. SIE HPBT 55 GR. SPR FMJ 223 Remington (5.5 Bullet 36 GR. BAR VG FB 40 GR. NOS BT	AR2207 AR2207 AR2207 AR2207 AR2207 56 x 45mm) Powder Bench Mark 8208 AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2208 AR2207 AR2219	Bullet Diam224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224"	C.O.L. 2.200" 2.280" 2.280" 2.280" 2.280" 2.280" 2.280" 2.240"	Primer: Grs. Case: W Twist: 1 Primer: Grs. 25.4 20.5 23.5 25.0 25.0 25.0 25.0 23.0	Velocity Vinchester :12" Winchester S Start loa Velocity 2,829 fps 2,755 fps 2,783 fps 2,900 fps 2,755 fps 2,628 fps 2,609 fps 2,617 fps 2,635 fps	Pressure	Grs. 20.5 20.0 19.6 19.2 Barrel le Trim len Grs. 27.0C 22.5 25.5 27.3 26.7C 27.5C 28.0C 22.0 25.0	Maximum II Velocity 2,575 fps 2,525 fps 2,425 fps 2,325 fps ength: 15" gth: 1.750" Maximum II Velocity 3,057 fps 3,014 fps 3,087 fps 3,014 fps 2,985 fps 3,060 fps 3,069 fps 2,926 fps	Pressure

223 Remington (5.5	6 x 45mm)			Twist: 1				ength: 15" ngth: 1.750"	
				Primer:	Winchester S	R	1		
	1	1			Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
	AR2208	.224"	2.240"	25.0	2,550 fps	30,200 CUP	28.0C	3,010 fps	43,700 CUP
50 GR. SPR SP	AR2207	.224"	2.210"	19.5	2,429 fps	32,400 CUP	21.5	2,824 fps	45,900 CUP
	AR2219	.224"	2.210"	22.0	2,460 fps	36,500 CUP	24.0	2,740 fps	49,300 CUP
	Bench Mark 2	.224"	2.210"	24.0	2,639 fps	38,600 CUP	26.5	2,953 fps	50,400 CUP
	Bench Mark 8208	.224"	2.210"	23.5	2,525 fps	40,500 PSI	25.8	2,849 fps	53,300 PSI
	AR2206H	.224"	2.210"	25.0	2,658 fps	38,300 CUP	27.5C	3,024 fps	51,300 CUP
	AR2208	.224"	2.210"	26.5	2,842 fps	40,800 CUP	27.5C	2,959 fps	44,800 CUP
53 GR. SIE HP	AR2207	.224"	2.200"	19.5	2,650 fps	34,200 CUP	21.5	2,846 fps	46,700 CUP
	AR2219	.224"	2.200"	21.5	2,527 fps	39,200 CUP	23.5	2,707 fps	48,900 CUP
	Bench Mark 2	.224"	2.200"	24.0	2,652 fps	39,900 CUP	26.0	2,932 fps	49,800 CUP
	Bench Mark 8208	.224"	2.200"	23.0	2,382 fps	41,400 PSI	25.4	2,789 fps	53,400 PSI
	AR2206H	.224"	2.200"	25.0	2,660 fps	37,400 CUP	27.0C	2,965 fps	48,600 CUP
	AR2208	.224"	2.200"	24.0	2,449 fps	38,400 CUP	27.0C	2,833 fps	47,900 CUP
55 GR. SPR SP	AR2207	.224"	2.200"	19.0	2,400 fps	34,800 CUP	21.0	2,719 fps	47,600 CUP
	AR2219	.224"	2.200"	21.0	2,439 fps	38,600 CUP	23.0	2,638 fps	48,900 CUP
	Bench Mark 2	.224"	2.200"	24.0	2,625 fps	42,600 CUP	25.6	2,840 fps	50,000 CUP
	Bench Mark 8208	.224"	2.200"	23.0	2,390 fps	42,100 PSI	25.3	2,715 fps	53,100 PSI
	AR2206H	.224"	2.200"	25.0	2,721 fps	39,700 CUP	26.0	2,880 fps	49,000 CUP
	AR2208	.224"	2.200"	25.5	2,697 fps	41,300 CUP	27.5C	2,972 fps	49,700 CUP
60 GR. HDY V-MAX	AR2207	.224"	2.250"	18.0	2,450 fps	42,500 CUP	20.0	2,647 fps	47,600 CUP
	AR2219	.224"	2.250"	22.0	2,526 fps	40,300 CUP	23.5	2,657 fps	49,800 CUP
	Bench Mark 2	.224"	2.250"	23.0	2,515 fps	42,500 CUP	24.6	2,744 fps	49,900 CUP
	Bench Mark 8208	.224"	2.250"	21.5	2,179 fps	43,500 PSI	23.6	2,488 fps	51,700 PSI
	AR2206H	.224"	2.250"	24.0	2,514 fps	37,600 CUP	26.0C	2,804 fps	50,100 CUP
	AR2208	.224"	2.250"	25.0	2,544 fps	40,400 CUP	27.0C	2,825 fps	51,900 CUP
63 GR. SIE SP	AR2207	.224"	2.200"	18.0	2,294 fps	33,600 CUP	20.0	2,572 fps	44,600 CUP
	AR2219	.224"	2.200"	20.0	2,240 fps	38,100 CUP	22.0	2,482 fps	48,400 CUP
	Bench Mark 2	.224"	2.200"	22.0	2,318 fps	41,800 CUP	24.2	2,601 fps	50,500 CUP
	Bench Mark 8208	.224"	2.200"	21.0	2,158 fps	43,000 PSI	23.1	2,409 fps	52,400 PSI
	AR2206H	.224"	2.200"	23.5	2,434 fps	43,300 CUP	25.5	2,800 fps	50,000 CUP
	AR2208	.224"	2.200"	24.5	2,566 fps	42,400 CUP	26.4	2,809 fps	50,700 CUP
69 GR. SIE HPBT	Bench Mark 8208	.224"	2.235"	21.0	2,168 fps	42,200 PSI	23.8	2,515 fps	52,900 PSI
70 GR. SPR SP	Bench Mark 8208	.224"	2.140"	20.0	2,051 fps	44,100 PSI	21.8	2,201 fps	52,800 PSI
	·			Caso: E	Remington (ref	ormed)	Rarrol lo	ength: 15"	
00 DD D				Twist: 1	• `	oirried)		ngth: 1.510"	
22 BR Remington						1/0		igui. 1.510	
				Primer:	Remington 7		ı		
Dullet	Dougle:	Dullet Dieses	60:	C	Start loa	I	C	Maximum I	1
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
40 GR. NOS BT	AR2207	.224"	2.090"	25.5	3,145 fps	43,200 CUP	27.6	3,394 fps	50,400 CUP
	AR2219	.224"	2.090"	28.0	3,002 fps	38,000 CUP	30.0	3,245 fps	49,000 CUP
	Bench Mark 2	.224"	2.090"	30.0	3,248 fps	41,400 CUP	32.0	3,485 fps	49,200 CUP
	AR2206H	.224"	2.090"	31.0	3,152 fps	38,300 CUP	32.8	3,320 fps	46,400 CUP
	AR2208	.224"	2.090"	33.5	3,101 fps	36,500 CUP	31.5	3,285 fps	43,500 CUP
45 GR. SPR SP	AR2219	.224"	1.945"	29.0	3,130 fps	41,000 CUP	31.5	3,446 fps	49,400 CUP
	Bench Mark 2	.224"	1.945"	29.5	3,106 fps	41,100 CUP	31.6	3,412 fps	48,900 CUP

				Case: F	Remington (ref	ormed)	Barrelle	ength: 15"	
22 BR Remington	1			Twist: 1	:14"		Trim ler	ngth: 1.510"	
				Primer:	Remington 7	1/2			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
	AR2206H	.224"	1.945"	30.0	2,980 fps	41,600 CUP	32.5	3,334 fps	49,000 CUP
	AR2208	.224"	1.945"	31.5	3,005 fps	36,800 CUP	33.5	3,246 fps	43,600 CUP
50 GR. SPR SP	AR2219	.224"	1.945"	28.0	3,036 fps	37,000 CUP	30.5	3,289 fps	50,000 CUP
	Bench Mark 2	.224"	1.945"	29.5	3,113 fps	40,400 CUP	31.5	3,377 fps	49,700 CUP
	AR2206H	.224"	1.945"	29.5	2,957 fps	41,200 CUP	32.0	3,229 fps	48,000 CUP
	AR2208	.224"	1.945"	31.5	3,040 fps	38,900 CUP	33.5	3,248 fps	44,600 CUP
53 GR. HDY HP	AR2219	.224"	2.065"	28.0	3,070 fps	38,000 CUP	30.0	3,281 fps	48,400 CUP
	Bench Mark 2	.224"	2.065"	28.5	3,075 fps	41,200 CUP	30.5	3,272 fps	49,200 CUP
	AR2206H	.224"	2.065"	29.5	3,034 fps	41,900 CUP	31.5	3,233 fps	49,000 CUP
	AR2208	.224"	2.065"	31.0	3,050 fps	43,400 CUP	33.0	3,224 fps	51,500 CUP
55 GR. SPR SP	AR2219	.224"	2.050"	28.0	3,125 fps	40,000 CUP	30.0	3,277 fps	48,400 CUP
	Bench Mark 2	.224"	2.050"	28.5	3,062 fps	41,600 CUP	30.5	3,276 fps	49,600 CUP
	AR2206H	.224"	2.050"	29.0	3,015 fps	37,100 CUP	31.0	3,214 fps	49,400 CUP
	AR2208	.224"	2.050"	30.0	3,030 fps	41,600 CUP	32.5	3,203 fps	49,300 CUP
63 GR. SIE SP	AR2219	.224"	2.015"	24.0	2,699 fps	40,800 CUP	26.5	2,909 fps	48,800 CUP
	Bench Mark 2	.224"	2.015"	27.0	2,901 fps	42,000 CUP	29.0	3,074 fps	49,300 CUP
	AR2206H	.224"	2.015"	26.0	2,691 fps	41,600 CUP	28.0	2,884 fps	49,400 CUP
	AR2208	.224"	2.015"	28.5	2,869 fps	44,500 CUP	30.5	3,017 fps	49,300 CUP
70 GR. SPR SP	AR2219	.224"	1.900"	22.0	2,516 fps	40,000 CUP	24.0	2,675 fps	49,900 CUP
	Bench Mark 2	.224"	1.900"	26.0	2,829 fps	43,400 CUP	28.0	2,955 fps	49,700 CUP
	AR2206H	.224"	1.900"	23.0	2,491 fps	41,400 CUP	24.5	2,611 fps	50,000 CUP
	AR2208	.224"	1.900"	26.0	2,650 fps	43,000 CUP	28.0	2,814 fps	49,500 CUP
				Case: F	ederal		Barrel le	ength: 14"	
6mm TCU				Twist: 1				ngth: 1.740"	
					Federal 205N	1		J	
					Start loa	de		Maximum I	nade
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
70 GR. NOS BT	AR2219	.243"	2.375"	26.5	2,600 fps	-	28.5	2,859 fps	-
	AR2206H	.243"	2.375"	27.5	2,589 fps	_	29.5	2,896 fps	_
75 GR. SPR HP	AR2219	.243"	2.480"	26.0	2,499 fps	-	28.0	2,808 fps	-
-	AR2206H	.243"	2.480"	27.0	2,513 fps	-	29.0	2,819 fps	_
80 GR. HDY SP	AR2219	.243"	2.410"	25.0	2,466 fps	-	27.5	2,728 fps	-
	AR2206H	.243"	2.410"	26.0	2,480 fps	_	28.5	2,739 fps	-
85 GR. SPR SPBT	AR2219	.243"	2.500"	24.5	2,437 fps	-	26.5	2,644 fps	-
	AR2206H	.243"	2.500"	25.5	2,449 fps	-	27.5	2,649 fps	-
90 GR. SPR SP	AR2219	.243"	2.580"	24.0	2,380 fps	-	26.0	2,507 fps	-
-	AR2206H	.243"	2.580"	25.0	2,401 fps	-	27.0	2,538 fps	-
100 GR. HDY SP	AR2219	.243"	2.500"	23.0	2,179 fps	-	25.0	2,398 fps	-
	AR2206H	.243"	2.500"	24.0	2,172 fps	_	26.0	2,412 fps	-
	AI VEZUUI I	.270	2.500	24.0	Σ,1121μο		20.0	2,412 Ips	_

Case: Homady Barrel length: 15"
Twist: 1:10" Trim length: 1.840"
Primer: Federal 205M

Start loads Maximum

Pullet Pierre COL Gree Velocity Pressure Gree Velocity

					Start loa	ds		Maximum l	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
70 GR. NOS BT	AR2219	.243"	2.480"	-	-	-	27.5	2,970 fps	-
	Bench Mark 2	.243"	2.480"	-	-	-	29.0	2,980 fps	-
	Bench Mark 8208	.243"	2.480"	-	-	-	29.6	3,020 fps	-
75 GR. HDY V-MAX	Bench Mark 2	.243"	2.480"	-	-	-	28.2	2,865 fps	-
	Bench Mark 8208	.243"	2.480"	-	-	-	28.9	2,935 fps	-
80 GR. BAR TTSX BT	Bench Mark 2	.243"	2.500"	-	-	-	27.6	2,805 fps	-
	Bench Mark 8208	.243"	2.500"	-	-	-	28.4	2,855 fps	-

6mm BR RemingtonCase: RemingtonBarrel length: 15"Twist: 1:9"Trim length: 1.550"

Primer: Remington 7 1/2

					Remington 7				
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
55 GR. NOS BT	AR2207	.243"	2.080"	26.0	2,963 fps	37,600 CUP	28.8	3,228 fps	51,000 CUF
	AR2219	.243"	2.080"	30.0	3,029 fps	38,800 CUP	32.5	3,275 fps	51,100 CUF
	Bench Mark 2	.243"	2.080"	31.0	2,991 fps	41,200 CUP	33.5C	3,229 fps	50,300 CUF
	AR2206H	.243"	2.080"	31.0	2,910 fps	37,300 CUP	33.0C	3,084 fps	45,300 CUF
	AR2208	.243"	2.080"	31.0	2,723 fps	31,600 CUP	34.0C	3,014 fps	41,800 CUP
58 GR. HDY V-MAX	AR2207	.243"	2.140"	26.0	2,995 fps	38,000 CUP	28.5	3,235 fps	49,900 CUF
	AR2219	.243"	2.140"	29.5	2,984 fps	40,100 CUP	31.3	3,179 fps	48,400 CUF
	Bench Mark 2	.243"	2.140"	30.0	3,013 fps	42,000 CUP	32.0	3,201 fps	50,600 CUP
	AR2206H	.243"	2.140"	31.5	3,021 fps	38,000 CUP	33.5	3,204 fps	45,100 CUP
	AR2208	.243"	2.140"	31.0	2,849 fps	34,300 CUP	34.0	3,115 fps	46,100 CUP
60 GR. SIE HP	AR2207	.243"	2.080"	25.0	2,889 fps	39,600 CUP	27.5	3,121 fps	50,700 CUF
	AR2219	.243"	2.080"	30.0	3,066 fps	42,000 CUP	32.0	3,265 fps	49,500 CUF
	Bench Mark 2	.243"	2.080"	30.0	2,945 fps	41,400 CUP	32.0	3,141 fps	49,900 CUF
	AR2206H	.243"	2.080"	31.0	2,927 fps	42,000 CUP	33.0C	3,131 fps	47,000 CUF
	AR2208	.243"	2.080"	31.0	2,753 fps	36,000 CUP	34.0C	3,056 fps	48,500 CUP
65 GR. HDY V-MAX	AR2207	.243"	2.140"	25.0	2,848 fps	42,200 CUP	27.0	3,023 fps	49,100 CUP
	AR2219	.243"	2.140"	27.0	2,761 fps	36,800 CUP	30.5	3,075 fps	49,600 CUP
	Bench Mark 2	.243"	2.140"	27.0	2,678 fps	36,000 CUP	30.5	2,987 fps	46,400 CUF
	AR2206H	.243"	2.140"	30.0	2,820 fps	37,700 CUP	33.0C	3,145 fps	49,300 CUP
	AR2208	.243"	2.140"	31.0	2,840 fps	42,200 CUP	33.0C	3,028 fps	49,900 CUP
70 GR. NOS BT	AR2219	.243"	2.100"	28.0	2,764 fps	38,700 CUP	30.0	2,979 fps	47,000 CUP
	Bench Mark 2	.243"	2.100"	29.7	2,817 fps	39,900 CUP	31.6	3,053 fps	49,000 CUP
	AR2206H	.243"	2.100"	29.0	2,657 fps	38,200 CUP	31.0	2,894 fps	47,000 CUF
	AR2208	.243"	2.100"	31.0	2,754 fps	38,900 CUP	34.0	2,986 fps	49,400 CUP
75 GR. SPR HP	AR2219	.243"	2.115"	26.0	2,656 fps	47,100 CUP	28.0	2,802 fps	47,000 CUP
	Bench Mark 2	.243"	2.115"	29.0	2,787 fps	41,700 CUP	31.0	2,978 fps	49,600 CUF
	AR2206H	.243"	2.115"	28.5	2,662 fps	40,000 CUP	30.5	2,860 fps	47,000 CUP
	AR2208	.243"	2.115"	30.5	2,709 fps	42,200 CUP	32.5	2,867 fps	50,000 CUF
80 GR. SPR SP	AR2219	.243"	2.115"	26.0	2,628 fps	39,300 CUP	28.0	2,771 fps	47,000 CUF
	Bench Mark 2	.243"	2.115"	28.5	2,713 fps	40,900 CUP	30.5	2,895 fps	49,400 CUF
	AR2206H	.243"	2.115"	28.0	2,611 fps	40,400 CUP	30.0	2,766 fps	47,000 CUF
	AR2208	.243"	2.115"	30.5	2,695 fps	43,100 CUP	32.5	2,850 fps	50,700 CUF
85 GR. SPR SP	AR2219	.243"	2.115"	22.0	2,302 fps	40,400 CUP	24.0	2,457 fps	47,000 CUP

				Case: R	Remington		Barrel le	ength: 15"	
6mm BR Remingto	n .			Twist: 1	_		Trim len	ngth: 1.550"	
On in Brettering	,,,,			Primer:	Remington 7	1/2		-	
					Start loa			Maximum I	nade
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
Ballet	Bench Mark 2	.243"	2.115"	27.7	2,670 fps	42,100 CUP	29.7	2,826 fps	49,800 CUP
	AR2206H	.243"	2.115"	24.5	2,326 fps	38,100 CUP	26.5	2,495 fps	49,500 CUP
	AR2208	.243"	2.115"	29.0	2,589 fps	43,100 CUP	31.0	2,761 fps	50,800 CUP
90 GR. SPR SP	AR2219	.243"	2.115"	22.0	2,275 fps	40,600 CUP	24.0	2,437 fps	48,000 CUP
30 GIL GI KGI	Bench Mark 2	.243"	2.115"	27.0	2,597 fps	43,200 CUP	29.0	2,761 fps	49,300 CUP
	AR2206H	.243"	2.115"	24.5	-	40,400 CUP	27.0	2,701 lps 2,546 fps	49,300 CUP
					2,323 fps	·		•	
400 CD LIDY CD	AR2208	.243"	2.115"	27.5	2,488 fps	39,500 CUP	30.2	2,694 fps	47,500 CUP
100 GR. HDY SP	AR2219	.243"	2.150"	22.0	2,212 fps	42,000 CUP	23.5	2,328 fps	50,000 CUP
	Bench Mark 2	.243"	2.150"	26.0	2,447 fps	43,100 CUP	28.0	2,611 fps	49,500 CUP
	AR2206H	.243"	2.150"	24.5	2,273 fps	42,500 CUP	27.0	2,472 fps	49,000 CUP
	AR2208	.243"	2.150"	26.0	2,292 fps	43,000 CUP	28.0	2,453 fps	48,900 CUP
107 GR. SIE HPBT	AR2219	.243"	2.250"	23.0	2,272 fps	40,800 CUP	25.5	2,437 fps	49,200 CUP
	Bench Mark 2	.243"	2.250"	26.0	2,407 fps	42,000 CUP	28.0	2,575 fps	49,800 CUP
	AR2206H	.243"	2.250"	24.5	2,264 fps	37,900 CUP	27.5	2,480 fps	49,800 CUP
	AR2208	.243"	2.250"	26.0	2,255 fps	39,800 CUP	29.0C	2,497 fps	50,100 CUP
				Case: V	Vinchester		Barrelle	ength: 15"	
242 Winchaster				Twist: 1				ngth: 2.035"	
243 Winchester					Winchester L	D		.g	
				Fillier.			1		
	1	T	1	_	Start loa	I	_	Maximum I	1
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
55 GR. NOS BT	Bench Mark 2	.243"	2.650"	39.0	3,288 fps	42,600 CUP	41.5	3,387 fps	50,100 CUP
	AR2206H	.243"	2.650"	40.0	3,223 fps	35,100 CUP	44.5	3,515 fps	49,300 CUP
	AR2208	.243"	2.650"	41.0	3,124 fps	42,600 CUP	45.0	3,329 fps	50,000 CUP
58 GR. HDY V-MAX	Bench Mark 2	.243"	2.600"	35.0	2,989 fps	41,800 CUP	37.5	3,177 fps	50,400 CUP
	AR2206H	.243"	2.600"	40.0	3,210 fps	43,300 CUP	43.0	3,353 fps	49,900 CUP
	AR2208	.243"	2.600"	41.0	3,198 fps	44,800 CUP	44.0	3,329 fps	49,800 CUP
60 GR. SIE HP	Bench Mark 2	.243"	2.600"	38.5	3,296 fps	47,000 CUP	41.2	3,435 fps	50,700 CUP
	AR2206H	.243"	2.600"	38.0	3,177 fps	40,500 CUP	42.0	3,264 fps	50,500 CUP
	AR2208	.243"	2.600"	40.0	3,035 fps	45,400 CUP	42.7	3,188 fps	50,400 CUP
65 GR. HDY V-MAX	Bench Mark 2	.243"	2.600"	37.0	3,090 fps	44,300 CUP	40.0	3,255 fps	50,600 CUP
	AR2206H	.243"	2.600"	38.0	3,055 fps	44,500 CUP	41.0	3,220 fps	49,200 CUP
	AR2208	.243"	2.600"	38.0	2,707 fps	43,100 CUP	41.0	3,045 fps	49,600 CUP
70 GR. SPR HP	Bench Mark 2	.243"	2.625"	36.5	3,080 fps	45,100 CUP	39.3	3,196 fps	50,300 CUP
	AR2206H	.243"	2.625"	36.0	2,912 fps	42,700 CUP	39.5	3,167 fps	49,200 CUP
	AR2208	.243"	2.625"	38.0	2,921 fps	45,500 CUP	40.5	3,061 fps	50,100 CUP
75 GR. HDY HP	AR2206H	.243"	2.640"	34.0	2,741 fps	40,900 CUP	38.0	3,018 fps	49,400 CUP
	AR2208	.243"	2.640"	36.0	2,737 fps	45,000 CUP	38.5	2,899 fps	50,500 CUP
80 GR. SIE BTSP	AR2206H	.243"	2.635"	35.0	2,786 fps	45,800 CUP	38.0	2,988 fps	50,100 CUP
	AR2208	.243"	2.635"	36.0	2,714 fps	45,400 CUP	38.5	2,854 fps	50,500 CUP
85 GR. BAR XBTC	AR2206H	.243"	2.560"	35.0	2,797 fps	45,100 CUP	38.0	2,952 fps	49,900 CUP
	AR2208	.243"	2.560"	35.0	2,621 fps	44,200 CUP	38.0	2,811 fps	50,400 CUP
	AR2209	.243"	2.560"	42.0	2,637 fps	39,700 CUP	45.5C	2,850 fps	49,600 CUP
90 GR. SPR SP	AR2206H	.243"	2.625"	34.0	2,654 fps	44,900 CUP	36.5	2,819 fps	50,800 CUP
-	AR2208	.243"	2.625"	34.0	2,548 fps	44,800 CUP	36.5	2,670 fps	50,400 CUP
	AR2209	.243"	2.625"	42.0	2,729 fps	44,400 CUP	44.5	2,850 fps	50,600 CUP
		5		10	_,	1,		_,500 100	1 55,555 551

				Case: V	Vinchester		Barrel le	ength: 15"	
243 Winchester				Twist: 1	1:10"		Trim ler	ngth: 2.035"	
				Primer:	Winchester L	R			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
	AR2213SC	.243"	2.625"	45.0	2,638 fps	43,700 CUP	48.0C	2,793 fps	50,800 CUP
95 GR. NOS PART	AR2206H	.243"	2.650"	33.0	2,592 fps	45,000 CUP	35.0	2,740 fps	50,700 CUP
	AR2208	.243"	2.650"	33.0	2,485 fps	45,000 CUP	35.0	2,600 fps	50,200 CUP
	AR2209	.243"	2.650"	39.0	2,524 fps	45,800 CUP	42.0	2,688 fps	50,500 CUP
	AR2213SC	.243"	2.650"	42.0	2,459 fps	47,000 CUP	44.5C	2,589 fps	50,700 CUP
	AR2217	.243"	2.650"	45.0	2,434 fps	44,900 CUP	48.0C	2,603 fps	50,000 CUP
100 GR. SPR BTSP	AR2206H	.243"	2.650"	31.0	2,400 fps	44,900 CUP	33.0	2,521 fps	50,100 CUP
	AR2208	.243"	2.650"	31.0	2,311 fps	42,700 CUP	33.7	2,465 fps	50,400 CUP
	AR2209	.243"	2.650"	37.0	2,434 fps	45,100 CUP	40.0	2,582 fps	51,000 CUP
	AR2213SC	.243"	2.650"	39.0	2,276 fps	44,400 CUP	42.0	2,438 fps	50,100 CUP
	AR2217	.243"	2.650"	44.0	2,419 fps	45,700 CUP	47.0C	2,571 fps	49,800 CUP
105 GR. HDY A-MAX	AR2206H	.243"	2.760"	30.5	2,390 fps	44,900 CUP	32.5	2,503 fps	50,100 CUP
	AR2208	.243"	2.760"	31.0	2,297 fps	45,600 CUP	33.0	2,411 fps	50,800 CUP
	AR2209	.243"	2.760"	35.0	2,267 fps	44,300 CUP	37.5	2,443 fps	49,500 CUP
	AR2213SC	.243"	2.760"	38.0	2,227 fps	43,900 CUP	41.0	2,375 fps	50,200 CUP
	AR2217	.243"	2.760"	43.0	2,330 fps	45,400 CUP	46.0C	2,517 fps	50,200 CUP
107 GR. SIE BTHP	AR2206H	.243"	2.850"	30.5	2,348 fps	45,900 CUP	32.5	2,472 fps	49,900 CUP
	AR2208	.243"	2.850"	31.0	2,272 fps	45,300 CUP	33.0	2,385 fps	50,400 CUP
	AR2209	.243"	2.850"	35.0	2,266 fps	43,100 CUP	37.5	2,424 fps	50,200 CUP
	AR2213SC	.243"	2.850"	38.0	2,215 fps	43,700 CUP	41.0	2,360 fps	50,100 CUP
	AR2217	.243"	2.850"	43.0	2,345 fps	44,700 CUP	46.0C	2,513 fps	50,100 CUP
				0	Via ala a atau		Damella		
					Vinchester			ength: 2"	
25 ACP				Twist: 1			i rim ier	igth: 0.610"	
				Primer:	Federal 100N	1			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
35 GR. HDY XTP	AP70N	.251"	0.860"	1.5	823 fps	14,500 CUP	1.7	922 fps	16,200 CUP
50 GR.	AP50N	-	-	-	-	-	1.2	750 fps	-
50 GR. SIE FMJ	AP70N	.251"	0.900"	1.2	620 fps	12,000 CUP	1.4	751 fps	16,600 CUP
				Case: V	Vinchester		Barrel le	ength: 10"	
256 Winchester				Twist: 1				ngth: 1.271"	
256 WillChestel					Winchester S	D		3	
				rillier.			1		
D. II 4		T B # 4B*	001		Start loa			Maximum I	
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
60 GR. HDY FP	AR2205	.257"	1.560"	15.0	2,156 fps	-	16.0	2,386 fps	-
	AR2207	.257"	1.560"	-	-	-	18.0	1,704 fps	-
75 GR. SPR HP	AR2205	.257"	1.740"	14.0	2,026 fps	-	15.0	2,120 fps	-
87 GR. HDY SP	AR2205	.257"	1.825"	13.0	1,798 fps	-	14.0	2,040 fps	-
	AR2207	.257"	1.825"	-	-	-	15.0	2,007 fps	-

6.5mm TCU				Twist: 1	Vinchester :10" Winchester S	D		ength: 14" ngth: 1.740"	
				Fillier.	Start load			Maximum I	nade
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
87 GR. SPR SP	AR2207	.264"	2.350"	21.0	2,140 fps	-	23.0	2,368 fps	-
or ore or it or	AR2219	.264"	2.350"	24.0	2,116 fps	_	26.0	2,310 fps	_
	AR2206H	.264"	2.350"	25.0	2,180 fps	_	27.0	2,403 fps	_
100 GR. NOS BT	AR2207	.264"	2.400"	20.0	1,914 fps	_	22.0	2,101 fps	_
100 0141100 21	AR2219	.264"	2.400"	23.0	1,921 fps	-	25.0	2,119 fps	-
	AR2206H	.264"	2.400"	24.0	2,049 fps	_	26.0	2,710 fps	_
120 GR. SPR SP	AR2207	.264"	2.350"	19.0	1,770 fps	_	21.0	1,993 fps	_
120 OK. OF KO	AR2219	.264"	2.350"	21.5	1,857 fps	_	23.5	2,036 fps	_
	AR2206H	.264"	2.350"	23.0	1,880 fps	-	25.0	2,030 lps 2,075 fps	-
129 GR. HDY SP	AR22001	.264"	2.550"	18.0	1,688 fps	-	20.0	1,849 fps	-
123 GR. 11D 1 GF	AR2219	.264"	2.550"	21.0	1,731 fps	-	23.0	1,911 fps	-
	AR2219	.264"	2.550"	22.5		-	24.5	1,911 lps 1,970 fps	-
140 GR. HDY BTHP	AR2200H AR2207	.264"	2.550	17.0	1,784 fps 1,590 fps	-	19.0	1,970 lps 1,714 fps	-
140 GR. HDT BIHF	AR2219	.264"	2.700"	20.0	1,616 fps	-	22.0		-
	AR2206H	.264"	2.700"	21.0	1,660 fps	-	23.0	1,799 fps	-
	AN220011	.204	2.700	21.0	1,000 1ps	-	23.0	1,842 fps	-
				Case: R	Remington (ref	omed)	Barrel le	ength: 15"	
6.5mm BR				Twist: 1	:8"		Trim len	ngth: 1.510"	
				Primer:	Remington 7	1/2			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
90 GR. SPR TNT	AR2219	.264"	2.140"	29.0	2,558 fps	39,400 CUP	31.0	2,737 fps	49,100 CUP
	Bench Mark 2	.264"	2.140"	29.7	2,581 fps	42,300 CUP	31.7	2,808 fps	49,100 CUP
	AR2206H	.264"	2.140"	31.0	2,507 fps	35,800 CUP	33.0C	2,715 fps	44,100 CUP
	AR2208	.264"	2.140"	31.0	2,441 fps	35,400 CUP	33.0C	2,625 fps	41,500 CUP
95 GR. HDY V-MAX	AR2219	.264"	2.220"	28.8	2,540 fps	40,300 CUP	30.7	2,727 fps	50,000 CUP
	Bench Mark 2	.264"	2.220"	29.0	2,548 fps	43,200 CUP	31.0	2,707 fps	49,000 CUP
	AR2206H	.264"	2.220"	31.0	2,546 fps	40,000 CUP	33.0C	2,746 fps	48,500 CUP
	AR2208	.264"	2.220"	31.0	2,483 fps	40,000 CUP	33.0C	2,647 fps	45,900 CUP
100 GR. NOS BT	AR2219	.264"	2.220"	28.0	2,424 fps	39,400 CUP	29.7	2,573 fps	50,200 CUP
	Bench Mark 2	.264"	2.220"	28.3	2,404 fps	41,700 CUP	30.2	2,548 fps	49,400 CUP
	AR2206H	.264"	2.220"	31.0	2,531 fps	41,700 CUP	33.0C	2,707 fps	49,100 CUP
	AR2208	.264"	2.220"	31.0	2,475 fps	39,600 CUP	33.0C	2,641 fps	48,700 CUP
107 GR. HPBT	AR2219	.264"	2.340"	27.2	2,393 fps	39,100 CUP	29.0	2,528 fps	49,800 CUP
	Bench Mark 2	.264"	2.340"	27.8	2,330 fps	40,200 CUP	29.6	2,588 fps	49,400 CUP
	AR2206H	.264"	2.340"	29.8	2,489 fps	38,900 CUP	31.8C	2,633 fps	47,900 CUP
	AR2208	.264"	2.340"	30.5	2,462 fps	41,800 CUP	32.5C	2,623 fps	48,500 CUP
120 GR. NOS BT	AR2219	.264"	2.250"	26.7	2,242 fps	40,800 CUP	28.5	2,413 fps	49,500 CUP
	Bench Mark 2	.264"	2.250"	27.2	2,198 fps	43,800 CUP	29.0	2,396 fps	50,000 CUP
		.264"	2.250"	29.0	2,360 fps	41,300 CUP	31.0C	2,507 fps	47,700 CUP
	AR2206H		1	1		•			,
		.264"	2.250"	29.0	2,289 fps	39,400 CUP	31.00	2,423 tos	45, 100 COP
129 GR. HDY SP	AR2208		2.250" 2.280"	29.0	2,289 fps 2,190 fps	39,400 CUP 44.500 CUP	31.0C 27.7	2,423 fps 2.298 fps	45,100 CUP 49.200 CUP
129 GR. HDY SP	AR2208 AR2219	.264"	2.280"	26.0	2,190 fps	44,500 CUP	27.7	2,298 fps	49,200 CUP
129 GR. HDY SP	AR2208 AR2219 Bench Mark 2	.264"	2.280" 2.280"	26.0 26.3	2,190 fps 2,148 fps	44,500 CUP 43,800 CUP	27.7 28.0	2,298 fps 2,272 fps	49,200 CUP 49,600 CUP
129 GR. HDY SP	AR2208 AR2219	.264"	2.280"	26.0	2,190 fps	44,500 CUP	27.7	2,298 fps	49,200 CUP

					temington (ref	omed)		ength: 15"	
6.5mm BR				Twist: 1			Trim len	igth: 1.510"	
				Primer:	Remington 7	1/2	1		
	1	ı	T		Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
	Bench Mark 2	.264"	2.300"	26.3	2,100 fps	44,200 CUP	28.0	2,229 fps	49,800 CUP
	AR2206H	.264"	2.300"	28.2	2,193 fps	44,200 CUP	30.0C	2,308 fps	49,000 CUP
	AR2208	.264"	2.300"	28.3	2,167 fps	42,100 CUP	30.2C	2,300 fps	49,000 CUP
142 GR. SIE HPBT	AR2219	.264"	2.350"	24.5	2,067 fps	44,200 CUP	26.1	2,193 fps	49,400 CUP
	Bench Mark 2	.264"	2.350"	25.2	2,065 fps	45,500 CUP	26.9	2,178 fps	49,900 CUP
	AR2206H	.264"	2.350"	27.3	2,147 fps	41,900 CUP	29.0	2,291 fps	49,300 CUP
	AR2208	.264"	2.350"	27.9	2,165 fps	40,900 CUP	29.7C	2,284 fps	49,600 CUP
				Case: V	Vinchester (ref	ormed)	Barrel le	ength: 14"	
6.5mm JDJ				Twist: 1	:9"		Trim len	igth: 1.920"	
J.J				Primer:	Winchester L	R			
					Start loa			Maximum I	nade
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
120 GR. SPR SP	AR2209	.264"	2.700"	35.0	2,122 fps	riessuie	40.0	2,414 fps	riessuie
129 GR. HDY SP	AR2213SC	.264"	2.750"	35.0	1,973 fps	_	39.0	2,414 lps 2,194 fps	_
140 GR. SPR SP	AR2213SC	.264"	2.700"	33.0	1,651 fps	_	37.0	1,968 fps	_
140 011 01 1101	AINZZ 1000	.204	2.700	30.0	1,001 100	_	37.0	1,500 1p3	_
					Vinchester (ref	ormed)		ength: 10"	
270 Ren				Twist: 1	:8"		Trim len	ngth: 1.280"	
				Primer:	Winchester S	R			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
90 GR. SPR HP	AR2205	.277"	1.900"	8.5	4.070.5		9.5	1 E00 foo	
100 GR, HDY SP				0.5	1,370 fps	-	0.0	1,589 fps	-
100 GK. ND1 3P	AR2205	.277"	1.790"	8.0	1,370 fps 1,179 fps	-	9.0	1,569 lps 1,404 fps	-
100 GR. HDY SP 110 GR. HDY HP	AR2205 AR2205	.277"	1.790" 1.900"			- - -		· ·	
	* * *			8.0 7.8	1,179 fps	-	9.0 8.7	1,404 fps 1,370 fps	-
110 GR. HDY HP	* * *			8.0 7.8	1,179 fps 1,160 fps Vinchester	-	9.0 8.7 Barrel le	1,404 fps	-
	* * *			8.0 7.8 Case: W	1,179 fps 1,160 fps /inchester :10"	-	9.0 8.7 Barrel le	1,404 fps 1,370 fps ength: 15"	-
110 GR. HDY HP	* * *			8.0 7.8 Case: W	1,179 fps 1,160 fps Vinchester :10" Winchester L	- -	9.0 8.7 Barrel le	1,404 fps 1,370 fps ength: 15" egth: 2.530"	- -
110 GR. HDY HP 270 Winchester	AR2205	.277"	1.900"	8.0 7.8 Case: W Twist: 1 Primer:	1,179 fps 1,160 fps Vinchester :10" Winchester L	- - R ds	9.0 8.7 Barrel le Trim len	1,404 fps 1,370 fps ength: 15" egth: 2.530"	
110 GR. HDY HP 270 Winchester Bullet	AR2205 Powder	.277" Bullet Diam.	1.900"	8.0 7.8 Case: W Twist: 1 Primer: Grs.	1,179 fps 1,160 fps Vinchester :10" Winchester Li Start load	R	9.0 8.7 Barrel le Trim len	1,404 fps 1,370 fps ength: 15" egth: 2.530" Maximum I	Pressure
110 GR. HDY HP 270 Winchester	Powder AR2206H	.277" Bullet Diam277"	1.900" C.O.L. 3.200"	8.0 7.8 Case: W Twist: 1 Primer: Grs. 50.0	1,179 fps 1,160 fps Vinchester :10" Winchester Li Start load Velocity 3,096 fps	R ds Pressure 48,100 CUP	9.0 8.7 Barrel le Trim len	1,404 fps 1,370 fps ength: 15" ength: 2.530" Maximum I Velocity 3,216 fps	Pressure 50,400 CUP
110 GR. HDY HP 270 Winchester Bullet	Powder AR2206H AR2208	.277" Bullet Diam277" .277"	1.900" C.O.L. 3.200"	8.0 7.8 Case: W Twist: 1 Primer: Grs. 50.0 51.0	1,179 fps 1,160 fps Vinchester :10" Winchester L Start load Velocity 3,096 fps 2,958 fps		9.0 8.7 Barrel le Trim len Grs. 53.0	1,404 fps 1,370 fps ength: 15" egth: 2.530" Maximum I Velocity 3,216 fps 3,091 fps	Pressure 50,400 CUP 51,400 CUP
270 Winchester Bullet 90 GR. SIE HP	Powder AR2206H AR2208 AR2209	.277" Bullet Diam277" .277"	1.900" C.O.L. 3.200" 3.200"	8.0 7.8 Case: W Twist: 1 Primer: Grs. 50.0 51.0	1,179 fps 1,160 fps Vinchester :10" Winchester Li Start load Velocity 3,096 fps 2,958 fps 2,859 fps		9.0 8.7 Barrel le Trim len Grs. 53.0 55.0 62.0C	1,404 fps 1,370 fps ength: 15" egth: 2.530" Maximum I Velocity 3,216 fps 3,091 fps 3,051 fps	Pressure 50,400 CUP 51,400 CUP 49,800 CUP
110 GR. HDY HP 270 Winchester Bullet	Powder AR2206H AR2208 AR2209 AR2206H	.277" Bullet Diam277" .277" .277"	1.900" C.O.L. 3.200" 3.200" 3.200" 3.145"	8.0 7.8 Case: W Twist: 1 Primer: Grs. 50.0 51.0 58.0 47.0	1,179 fps 1,160 fps Vinchester :10" Winchester Li Start loa Velocity 3,096 fps 2,958 fps 2,859 fps 2,940 fps		9.0 8.7 Barrel le Trim len Grs. 53.0 55.0 62.0C	1,404 fps 1,370 fps ength: 15" egth: 2.530" Maximum I Velocity 3,216 fps 3,051 fps 3,051 fps	Pressure 50,400 CUP 51,400 CUP 49,800 CUP 50,200 CUP
270 Winchester Bullet 90 GR. SIE HP	Powder AR2206H AR2208 AR2209 AR2206H AR2208	.277" Bullet Diam277" .277" .277" .277"	1.900" C.O.L. 3.200" 3.200" 3.145" 3.145"	8.0 7.8 Case: W Twist: 1 Primer: Grs. 50.0 51.0 58.0 47.0 48.0	1,179 fps 1,160 fps Vinchester :10" Winchester L Start load Velocity 3,096 fps 2,958 fps 2,859 fps 2,940 fps 2,782 fps		9.0 8.7 Barrel le Trim len Grs. 53.0 55.0 62.0C 50.0 52.0	1,404 fps 1,370 fps 1,370 fps ength: 15" egth: 2.530" Maximum I Velocity 3,216 fps 3,091 fps 3,051 fps 3,051 fps 2,928 fps	Pressure 50,400 CUP 51,400 CUP 49,800 CUP 50,200 CUP
270 Winchester Bullet 90 GR. SIE HP	Powder AR2206H AR2208 AR2209 AR2208H AR2209 AR2208H AR2209	.277" Bullet Diam277" .277" .277" .277" .277"	1.900" C.O.L. 3.200" 3.200" 3.145" 3.145"	8.0 7.8 Case: W Twist: 1 Primer: 50.0 51.0 58.0 47.0 48.0 56.0	1,179 fps 1,160 fps Vinchester :10" Winchester Li Start load Velocity 3,096 fps 2,958 fps 2,859 fps 2,940 fps 2,782 fps 2,782 fps		9.0 8.7 Barrel le Trim len 53.0 55.0 62.0C 50.0 52.0	1,404 fps 1,370 fps 1,370 fps ength: 15" egth: 2.530" Maximum I Velocity 3,216 fps 3,091 fps 3,051 fps 2,928 fps 2,917 fps	Pressure 50,400 CUP 51,400 CUP 49,800 CUP 50,200 CUP 50,200 CUP
270 Winchester Bullet 90 GR. SIE HP	Powder AR2206H AR2208 AR2209 AR2206H AR2208 AR2208 AR2208 AR2208	.277" Bullet Diam277" .277" .277" .277" .277" .277"	1.900" C.O.L. 3.200" 3.200" 3.145" 3.145" 3.145" 3.250"	8.0 7.8 Case: W Twist: 1 Primer: 50.0 51.0 58.0 47.0 48.0 56.0 45.0	1,179 fps 1,160 fps 1,160 fps Vinchester :10" Winchester Li Start loa Velocity 3,096 fps 2,958 fps 2,859 fps 2,940 fps 2,782 fps 2,782 fps 2,759 fps 2,816 fps		9.0 8.7 Barrel le Trim len 53.0 55.0 62.0C 50.0 52.0 59.4 47.5	1,404 fps 1,370 fps 1,370 fps ength: 15" egth: 2.530" Maximum I Velocity 3,216 fps 3,051 fps 3,051 fps 2,928 fps 2,917 fps 2,927 fps	Pressure 50,400 CUP 51,400 CUP 49,800 CUP 50,200 CUP 50,200 CUP 50,200 CUP
270 Winchester Bullet 90 GR. SIE HP	Powder AR2206H AR2208 AR2209 AR2206H AR2208 AR2209 AR2206H AR2208 AR2209	.277" Bullet Diam277" .277" .277" .277" .277" .277" .277" .277"	1.900" C.O.L. 3.200" 3.200" 3.145" 3.145" 3.145" 3.250"	8.0 7.8 Case: W Twist: 1 Primer: Grs. 50.0 51.0 47.0 48.0 56.0 45.0 43.0	1,179 fps 1,160 fps Vinchester :10" Winchester L Start load Velocity 3,096 fps 2,958 fps 2,859 fps 2,859 fps 2,782 fps 2,782 fps 2,759 fps 2,816 fps 2,479 fps		9.0 8.7 Barrel le Trim len 53.0 55.0 62.0C 50.0 52.0 59.4 47.5	1,404 fps 1,370 fps 1,370 fps ength: 15" egth: 2.530" Maximum I Velocity 3,216 fps 3,091 fps 3,051 fps 2,928 fps 2,917 fps 2,927 fps 2,788 fps	Pressure 50,400 CUP 51,400 CUP 49,800 CUP 50,200 CUP 50,200 CUP 50,800 CUP 50,800 CUP
270 Winchester Bullet 90 GR. SIE HP 100 GR. SPR SP	Powder AR2206H AR2208 AR2209 AR2206H AR2208 AR2206H AR2208 AR2209 AR2209 AR2206H AR2209	.277" Bullet Diam277" .277" .277" .277" .277" .277" .277" .277" .277"	1.900" C.O.L. 3.200" 3.200" 3.145" 3.145" 3.145" 3.250" 3.250"	8.0 7.8 Case: W Twist: 1 Primer: Grs. 50.0 51.0 58.0 47.0 48.0 56.0 45.0 43.0 54.0	1,179 fps 1,160 fps 1,160 fps Vinchester :10" Winchester Li Start load Velocity 3,096 fps 2,958 fps 2,958 fps 2,959 fps 2,782 fps 2,782 fps 2,782 fps 2,816 fps 2,479 fps 2,667 fps		9.0 8.7 Barrel le Trim len 53.0 55.0 62.0C 50.0 52.0 59.4 47.5 48.7	1,404 fps 1,370 fps 1,370 fps ength: 15" egth: 2.530" Maximum I Velocity 3,216 fps 3,091 fps 3,051 fps 2,928 fps 2,917 fps 2,927 fps 2,788 fps 2,843 fps	Pressure 50,400 CUP 51,400 CUP 49,800 CUP 50,200 CUP 50,200 CUP 50,200 CUP 50,800 CUP 50,800 CUP
270 Winchester Bullet 90 GR. SIE HP	Powder AR2206H AR2208 AR2209 AR2206H AR2208 AR2209 AR2206H AR2208 AR2209 AR2206H AR2208 AR2209	.277" Bullet Diam277" .277" .277" .277" .277" .277" .277" .277" .277" .277"	1.900" C.O.L. 3.200" 3.200" 3.145" 3.145" 3.145" 3.250" 3.250" 3.250"	8.0 7.8 Case: W Twist: 1 Primer: 50.0 51.0 58.0 47.0 48.0 56.0 45.0 43.0 54.0 42.0	1,179 fps 1,160 fps 1,160 fps Vinchester :10" Winchester Li Start loa Velocity 3,096 fps 2,958 fps 2,859 fps 2,859 fps 2,782 fps 2,782 fps 2,789 fps 2,816 fps 2,479 fps 2,667 fps 2,559 fps		9.0 8.7 Barrel le Trim len 53.0 55.0 62.0C 50.0 52.0 59.4 47.5 48.7 57.0 45.0	1,404 fps 1,370 fps 1,216 fps 1,3051 fps 1,051 fps 1,051 fps 1,927 fps 1,927 fps 1,927 fps 1,788 fps 1,843 fps 1,719 fps	Pressure 50,400 CUP 51,400 CUP 49,800 CUP 50,200 CUP 50,200 CUP 50,800 CUP 50,800 CUP 50,100 CUP 50,400 CUP
270 Winchester Bullet 90 GR. SIE HP 100 GR. SPR SP	Powder AR2206H AR2208 AR2209 AR2206H AR2208 AR2209 AR2206H AR2208 AR2209 AR2206H AR2208 AR2208	.277" Bullet Diam277" .277" .277" .277" .277" .277" .277" .277" .277" .277" .277"	1.900" C.O.L. 3.200" 3.200" 3.145" 3.145" 3.145" 3.250" 3.250" 3.270" 3.270"	8.0 7.8 Case: W Twist: 1 Primer: Grs. 50.0 51.0 48.0 47.0 48.0 56.0 45.0 44.0	1,179 fps 1,160 fps 1,160 fps Vinchester :10" Winchester L Start load Velocity 3,096 fps 2,958 fps 2,859 fps 2,782 fps 2,782 fps 2,759 fps 2,816 fps 2,479 fps 2,667 fps 2,559 fps 2,504 fps		9.0 8.7 Barrel le Trim len 53.0 55.0 62.0C 50.0 52.0 59.4 47.5 48.7 57.0 45.0	1,404 fps 1,370 fps 1,216 fps 1,3091 fps 1,091 fps 1,091 fps 1,928 fps 1,927	Pressure 50,400 CUP 51,400 CUP 49,800 CUP 50,200 CUP 50,200 CUP 50,800 CUP 50,800 CUP 50,100 CUP 50,400 CUP
270 Winchester Bullet 90 GR. SIE HP 100 GR. SPR SP	Powder AR2206H AR2208 AR2209 AR2206H AR2208 AR2209 AR2206H AR2208 AR2209 AR2206H AR2208 AR2208 AR2208 AR2208 AR2209 AR2209 AR2209	.277" Bullet Diam277" .277" .277" .277" .277" .277" .277" .277" .277" .277" .277"	1.900" C.O.L. 3.200" 3.200" 3.145" 3.145" 3.145" 3.250" 3.250" 3.270" 3.270"	8.0 7.8 Case: W Twist: 1 Primer: Grs. 50.0 51.0 58.0 47.0 48.0 56.0 45.0 43.0 54.0 44.0 51.0	1,179 fps 1,160 fps 1,160 fps Vinchester :10" Winchester Li Start load Velocity 3,096 fps 2,958 fps 2,958 fps 2,940 fps 2,759 fps 2,759 fps 2,816 fps 2,479 fps 2,667 fps 2,559 fps 2,504 fps 2,504 fps 2,503 fps		9.0 8.7 Barrel le Trim len 53.0 55.0 62.0C 50.0 52.0 59.4 47.5 48.7 57.0 45.0 47.0	1,404 fps 1,370 fps 1,2530" Maximum I Velocity 1,216 fps 1,091 fps 1,091 fps 1,091 fps 1,927 f	Pressure 50,400 CUP 51,400 CUP 49,800 CUP 50,200 CUP 50,200 CUP 50,800 CUP 50,800 CUP 50,400 CUP 51,000 CUP 51,200 CUP
270 Winchester Bullet 90 GR. SIE HP 100 GR. SPR SP	Powder AR2206H AR2208 AR2209 AR2206H AR2208 AR2209 AR2206H AR2208 AR2209 AR2206H AR2208 AR2208	.277" Bullet Diam277" .277" .277" .277" .277" .277" .277" .277" .277" .277" .277"	1.900" C.O.L. 3.200" 3.200" 3.145" 3.145" 3.145" 3.250" 3.250" 3.270" 3.270"	8.0 7.8 Case: W Twist: 1 Primer: Grs. 50.0 51.0 48.0 47.0 48.0 56.0 45.0 44.0	1,179 fps 1,160 fps 1,160 fps Vinchester :10" Winchester L Start load Velocity 3,096 fps 2,958 fps 2,859 fps 2,782 fps 2,782 fps 2,759 fps 2,816 fps 2,479 fps 2,667 fps 2,559 fps 2,504 fps		9.0 8.7 Barrel le Trim len 53.0 55.0 62.0C 50.0 52.0 59.4 47.5 48.7 57.0 45.0	1,404 fps 1,370 fps 1,216 fps 1,3091 fps 1,091 fps 1,091 fps 1,928 fps 1,927	Pressure 50,400 CUP 51,400 CUP 49,800 CUP 50,200 CUP 50,200 CUP 50,200 CUP

Case: Winchester Barrel length: 15" Twist: 1:10" Trim length: 2.530" 270 Winchester Primer: Winchester LR Start loads Maximum loads **Bullet** Powder Bullet Diam. C.O.L. Grs. Velocity Pressure Grs. Velocity **Pressure** AR2209 277" 3.280" 51.0 2,501 fps 45,200 CUP 543 50,500 CUP 2,619 fps AR2213SC 3.280" 44.400 CUP 51,000 CUP 277" 56.0 2,471 fps 60 0C 2,609 fps AR2217 3.280" 61.0 2,508 fps 42,900 CUP 64.0C 2,650 fps 48,100 CUP .277" 135 GR. SIE BT AR2206H 3.340" 41.0 2,465 fps 44,300 CUP 44.0 2,616 fps 50,600 CUP .277 AR2208 .277" 3.340" 41.0 2,336 fps 40,800 CUP 45.0 2,523 fps 50,200 CUP 44.400 CUP AR2209 277' 3 340" 50.0 2,460 fps 2,633 fps 50 700 CUP AR2213SC 3.340" 55.0 2,446 fps 43,600 CUP 59.5C 2,618 fps 51,000 CUP .277" AR2217 .277" 3.340" 61.0 2,547 fps 43,100 CUP 63.0C 2,608 fps 47,600 CUP 140 GR. SFT SP AR2206H .277" 3.280" 40.0 45.300 CUP 50,600 CUP 2,381 fps 42.6 2,515 fps AR2208 .277 3.280" 41.0 2,313 fps 44,300 CUP 43.7 2,437 fps 50.500 CUP AR2209 .277" 3 280" 49.0 2,458 fps 44,500 CUP 52.0 2,570 fps 50,400 CUP AR2213SC 3 280" 540 2,442 fps 43 900 CUP 58 OC 2,588 fps 50 100 CUP 277' 3.280" 59.0 41,800 CUP 63.0C 50,800 CUP AR2217 .277' 2,539 fps 2,694 fps 150 GR. HDY SP AR2209 .277 3.285" 46.0 2,298 fps 43,400 CUP 49.0 2,420 fps 51,000 CUP 46,300 CUP AR2213SC .277" 3.285" 52.0 2,319 fps 55.7 2,437 fps 51,200 CUP AR2217 .277" 3.285" 55.0 2,284 fps 44,900 CUP 59.0C 2,472 fps 51,000 CUP 160 GR. NOS PART AR2209 .277" 3.340" 46.0 2,271 fps 43,600 CUP 49.0 2,430 fps 51,100 CUP 50.0 43,000 CUP 54.0 50,500 CUP **AR2213SC** .277 3.340" 2,246 fps 2,388 fps AR2217 277' 3 340" 44,200 CUP 59.0C 50,900 CUP 55.0 2,336 fps 2,467 fps Case: Federal (reformed) Barrel length: 14" 7mm TCU Twist: 1:10" Trim length: 1.740" Primer: Federal 205 Start loads Maximum loads Bullet Powder Bullet Diam. C.O.L. Grs. Velocity Pressure Grs. Velocity **Pressure** 100 GR. SIE HP AR2205 284' 2 475" 170 1,749 fps 190 2,011 fps AR2207 284" 2 475" 22 N 2,007 fps 24.0 2,176 fps AR2219 .284" 2.475" 25.0 2,029 fps 26.0 2,169 fps .284" AR2206H 2.475" 25.0 1,913 fps 26.0 2,071 fps 120 GR. SPR SP .284" 2.410" 16.0 18.0 AR2205 1,662 fps 1,914 fps AR2207 .284" 2.410" 21.0 1,880 fps 23.0 2,075 fps AR2219 .284" 2.410" 24.0 1,898 fps 26.0 2,117 fps -AR2206H 284" 2.410" 24.0 26.0 1,818 fps 2,020 fps 130 GR. SPR SP 15.0 284' 2.465" 17.0 AR2205 1,490 fps 1,675 fps AR2207 284" 2 465" 20.0 1,745 fps 220 1,935 fps AR2219 2.465" 23.0 25.0 284' 1,724 fps 1,988 fps AR2206H .284" 2.465" 24.0 1,797 fps 26.0 2,007 fps 139 GR. HDY SP 14.5 AR2205 .284' 2.625" 1,441 fps 16.5 1,635 fps AR2207 .284" 2.625" 19.0 1,717 fps 21.0 1,904 fps _ AR2219 .284" 2.625" 22.0 1,747 fps 24.0 1,938 fps 2 625" 23.0 25.0 AR2206H 284" 1,750 fps _ 2,001 fps 14.0 150 GR. SIE HPBT AR2205 .284' 2.630" 1,404 fps 16.0 1,597 fps AR2207 2.630" 18.5 284" 1,640 fps 20.5 1,835 fps 21.5 AR2219 284' 2 630" 1,674 fps 23.5 1,859 fps .284" AR2206H 2.630" 22.0 1,688 fps 24.0 1,874 fps

AR2205

.284'

2.675"

13.0

1,314 fps

15.0

1,474 fps

162 GR. HDY SPBT

				Case: F	ederal (reform	ned)	Barrel le	ength: 14"	
7mm TCU				Twist: 1	`	,		gth: 1.740"	
					Federal 205			94	
				i illioi.	Start loa	de		Maximum I	nade
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
Dullet	AR2207	.284"	2.675"	17.5	1,519 fps	riessuie	19.5	1,729 fps	riessuie
	AR2219	.284"	2.675"	20.0	1,611 fps	_	22.0	1,729 lps 1,792 fps	_
	AR2206H	.284"	2.675"	21.0	1,628 fps	-	23.0	1,792 lps	_
	A1\220011	.204	2.075		, 1	-	25.0	1,795 lps	-
				Case: R	Remington		Barrel le	ength: 14"	
7mm BR Remingto	n			Twist: 1	:9.5"		Trim len	gth: 1.515"	
				Primer:	Winchester S	R			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
100 GR. BAR XFB	AR2207	.284"	2.125"	26.0	2,334 fps	36,600 CUP	28.5	2,569 fps	49,900 CUP
	AR2219	.284"	2.125"	29.0	2,248 fps	37,700 CUP	31.5C	2,516 fps	49,800 CUP
	Bench Mark 2	.284"	2.125"	29.0	2,194 fps	38,800 CUP	32.0C	2,510 fps	50,100 CUP
	AR2206H	.284"	2.125"	31.0	2,309 fps	40,900 CUP	33.0C	2,486 fps	45,300 CUP
115 GR. SPR HP	AR2207	.284"	2.150"	26.0	2,254 fps	41,500 CUP	28.5	2,474 fps	50,500 CUP
	AR2219	.284"	2.150"	29.0	2,227 fps	37,200 CUP	31.5C	2,473 fps	49,800 CUP
	Bench Mark 2	.284"	2.150"	30.0	2,251 fps	41,600 CUP	32.0C	2,476 fps	49,800 CUP
	AR2206H	.284"	2.150"	31.0	2,313 fps	38,900 CUP	33.0C	2,450 fps	45,300 CUP
120 GR. HDY V-MAX	AR2207	.284"	2.300"	25.5	2,262 fps	40,200 CUP	27.5	2,397 fps	49,500 CUP
	AR2219	.284"	2.300"	28.0	2,210 fps	39,800 CUP	30.8	2,427 fps	50,400 CUP
	Bench Mark 2	.284"	2.300"	29.0	2,202 fps	43,100 CUP	31.0	2,390 fps	49,900 CUP
	AR2206H	.284"	2.300"	30.0	2,202 fps	39,600 CUP	32.7C	2,460 fps	49,800 CUP
130 GR. SIE HPBT	AR2207	.284"	2.250"	25.0	2,176 fps	40,000 CUP	27.0	2,362 fps	50,500 CUP
	AR2219	.284"	2.250"	28.0	2,170 fps	40,500 CUP	30.0C	2,387 fps	50,600 CUP
	Bench Mark 2	.284"	2.250"	28.0	2,161 fps	40,700 CUP	30.2C	2,339 fps	50,000 CUP
	AR2206H	.284"	2.250"	30.0	2,224 fps	43,900 CUP	32.0C	2,390 fps	49,200 CUP
139 GR. HDY SST	AR2207	.284"	2.260"	24.0	2,078 fps	42,500 CUP	26.0	2,262 fps	49,800 CUP
	AR2219	.284"	2.260"	26.5	2,094 fps	40,100 CUP	28.5C	2,251 fps	49,700 CUP
	Bench Mark 2	.284"	2.260"	27.5	2,078 fps	41,200 CUP	29.7C	2,267 fps	49,900 CUP
	AR2206H	.284"	2.260"	29.0	2,117 fps	41,200 CUP	31.0C	2,263 fps	47,000 CUP
145 GR. SPR SPBT	AR2219	.284"	2.200"	27.0	2,087 fps	37,400 CUP	28.5C	2,221 fps	47,500 CUP
	Bench Mark 2	.284"	2.200"	27.5	2,052 fps	40,400 CUP	29.7C	2,263 fps	50,400 CUP
	AR2206H	.284"	2.200"	29.0	2,143 fps	42,400 CUP	31.0C	2,264 fps	47,500 CUP
150 GR. NOS BT	AR2219	.284"	2.340"	26.5	2,045 fps	40,400 CUP	28.5C	2,206 fps	49,600 CUP
	Bench Mark 2	.284"	2.340"	27.0	2,012 fps	41,900 CUP	29.5C	2,228 fps	50,200 CUP
	AR2206H	.284"	2.340"	28.5	2,054 fps	39,600 CUP	30.5C	2,216 fps	48,300 CUP
162 GR. HDY A-MAX	AR2219	.284"	2.400"	26.0	1,973 fps	39,800 CUP	28.3	2,174 fps	49,800 CUP
	Bench Mark 2	.284"	2.400"	27.0	1,998 fps	41,200 CUP	29.0C	2,170 fps	49,500 CUP
	AR2206H	.284"	2.400"	27.5	1,963 fps	37,500 CUP	29.5C	2,132 fps	49,600 CUP
168 GR. SIE HPBT	AR2219	.284"	2.320"	26.0	1,985 fps	40,300 CUP	28.0	2,125 fps	49,600 CUP
	Bench Mark 2	.284"	2.320"	26.5	1,986 fps	41,400 CUP	28.5	2,118 fps	49,700 CUP
	AR2206H	.284"	2.320"	28.0	2,028 fps	42,300 CUP	30.0C	2,160 fps	49,200 CUP

Barrel length: 15"

PISTOL

Case: Federal

				Case.				rigui. 15	
7-30 Waters				Twist: 1	1:9.5"		Trim len	igth: 2.030"	
				Primer:	Federal 210				
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
100 GR. HDY HP	AR2219	.284"	2.700"	27.0	2,185 fps	30,500 CUP	30.0	2,449 fps	40,200 CUP
	Bench Mark 2	.284"	2.700"	27.0	2,179 fps	29,600 CUP	30.5	2,414 fps	39,300 CUP
	AR2206H	.284"	2.700"	34.0	2,451 fps	33,500 CUP	37.0C	2,639 fps	39,200 CUP
	AR2208	.284"	2.700"	35.0	2,374 fps	31,400 CUP	38.0C	2,530 fps	35,000 CUP
120 GR. NOS FP	AR2219	.284"	2.550"	26.0	2,040 fps	29,500 CUP	29.0	2,263 fps	40,200 CUP
	Bench Mark 2	.284"	2.550"	26.5	2,078 fps	31,500 CUP	29.5	2,274 fps	40,200 CUP
	AR2206H	.284"	2.550"	31.0	2,242 fps	33,200 CUP	34.5	2,437 fps	39,400 CUP
	AR2208	.284"	2.550"	34.0	2,280 fps	31,100 CUP	37.0C	2,446 fps	40,000 CUP
130 GR. SIE HPBT	AR2219	.284"	2.720"	25.0	1,961 fps	31,600 CUP	27.3	2,152 fps	39,300 CUP
	Bench Mark 2	.284"	2.720"	25.0	1,960 fps	28,900 CUP	28.0	2,172 fps	40,100 CUP
	AR2206H	.284"	2.720"	31.0	2,178 fps	31,000 CUP	33.4C	2,323 fps	39,500 CUP
	AR2208	.284"	2.720"	32.0	2,129 fps	30,600 CUP	35.6C	2,341 fps	40,100 CUP
139 GR. HDY FP	AR2219	.284"	2.550"	24.0	1,836 fps	28,500 CUP	27.0	2,073 fps	39,400 CUP
	Bench Mark 2	.284"	2.550"	25.0	1,865 fps	31,000 CUP	28.0	2,075 fps	39,600 CUP
	AR2206H	.284"	2.550"	30.0	2,074 fps	32,900 CUP	33.0	2,242 fps	39,800 CUP
	AR2208	.284"	2.550"	32.0	2,091 fps	30,900 CUP	35.5C	2,260 fps	39,100 CUP
145 GR. SPR SP	Bench Mark 2	.284"	2.720"	25.0	1,855 fps	30,200 CUP	28.0	2,054 fps	40,100 CUP
	AR2206H	.284"	2.720"	29.0	2,055 fps	35,100 CUP	29.0	2,192 fps	39,900 CUP
	AR2208	.284"	2.720"	31.0	2,051 fps	33,600 CUP	34.2	2,212 fps	39,700 CUP
150 GR. NOS BT	Bench Mark 2	.284"	2.780"	23.0	1,747 fps	30,400 CUP	26.0	1,963 fps	39,200 CUP
	AR2206H	.284"	2.780"	29.0	2,019 fps	33,300 CUP	32.0C	2,169 fps	39,600 CUP
	AR2208	.284"	2.780"	31.0	2,030 fps	32,900 CUP	34.2C	2,187 fps	40,000 CUP
168 GR. SIE HPBT	Bench Mark 2	.284"	2.780"	23.0	1,718 fps	31,600 CUP	25.5	1,893 fps	39,800 CUP
	AR2206H	.284"	2.780"	28.0	1,977 fps	34,400 CUP	30.2	2,045 fps	38,600 CUP
	AR2208	.284"	2.780"	29.0	1,912 fps	33,000 CUP	32.0C	2,062 fps	39,200 CUP
	71112200	.201	2.700	20.0	1,012100	00,000 001	02:00	2,002 100	00,200 001
				Case: II	HMSA			ength: 14"	
7mm IHMSA				Twist: 1	1:9"		Trim len	igth: 1.865"	
				Primer:	Winchester L	R			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
100 GR. HDY HP	AR2207	.284"	2.650"	31.0	2,297 fps	-	33.0	2,514 fps	-
	AR2219	.284"	2.650"	34.0	2,330 fps	-	36.0	2,482 fps	-
	AR2206H	.284"	2.650"	36.0	2,319 fps	-	38.0	2,498 fps	-
	AR2209	.284"	2.650"	42.0	2,311 fps	-	44.0	2,483 fps	-
	AR2213SC	.284"	2.650"	42.0	2,174 fps	-	44.0	2,349 fps	-
120 GR. SIE SP	AR2207	.284"	2.700"	30.0	2,185 fps	-	32.0	2,371 fps	-
	AR2219	.284"	2.700"	33.0	2,131 fps	-	35.0	2,339 fps	-
	AR2206H	.284"	2.700"	35.0	2,192 fps	-	37.0	2,387 fps	-
	AR2209	.284"	2.700"	42.0	2,262 fps	-	44.0	2,431 fps	-
	AR2213SC	.284"	2.700"	42.0	2,137 fps	-	44.0	2,295 fps	
130 GR. SIE SP	AR2207	.284"	2.730"	29.0	2,129 fps	-	31.0	2,307 fps	-
	AR2219	.284"	2.730"	32.0	2,143 fps	-	34.0	2,297 fps	-
	AR2206H	.284"	2.730"	34.0	2,136 fps	-	36.0	2,298 fps	-
	AR2209	.284"	2.730"	41.0	2,239 fps	-	43.0	2,388 fps	_
	AR2213SC	.284"	2.730"	42.0	2,146 fps	-	44.0	2,264 fps	-
	ad: L = Lead Projectile	.201		1 .=.0	_,	1	1	_,,	l

7mm IHMSA				Case: Il- Twist: 1				ength: 14" gth: 1.865"	
				Primer:	Winchester LI	₹			
					Start load	ds		Maximum l	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
145 GR. SPR SP	AR2207	.284"	2.750"	28.0	2,007 fps	-	30.0	2,193 fps	-
	AR2219	.284"	2.750"	31.0	2,043 fps	-	33.0	2,217 fps	-
	AR2206H	.284"	2.750"	33.0	2,033 fps	-	35.0	2,212 fps	-
	AR2209	.284"	2.750"	40.0	2,131 fps	-	42.0	2,269 fps	-
	AR2213SC	.284"	2.750"	41.0	2,019 fps	-	43.0	2,169 fps	-
154 GR. HDY SP	AR2219	.284"	2.750"	30.0	2,004 fps	-	32.0	2,139 fps	-
	AR2206H	.284"	2.750"	32.0	2,036 fps	-	34.0	2,165 fps	-
	AR2209	.284"	2.750"	39.0	2,070 fps	-	41.0	2,210 fps	-
	AR2213SC	.284"	2.750"	41.0	2,091 fps	-	43.0	2,223 fps	-
160 GR. SPR SPBT	AR2219	.284"	2.760"	29.5	1,904 fps	-	31.5	2,068 fps	-
	AR2206H	.284"	2.760"	31.5	1,981 fps	-	33.5	2,106 fps	-
	AR2209	.284"	2.760"	38.0	2,036 fps	-	40.5	2,163 fps	-
	AR2213SC	.284"	2.760"	41.0	2,026 fps	-	43.0	2,156 fps	-
168 GR. SIE HPBT	AR2219	.284"	2.770"	29.0	1,926 fps	-	31.0	2,047 fps	-
	AR2206H	.284"	2.770"	31.0	1,966 fps	-	33.0	2,075 fps	-
	AR2209	.284"	2.770"	37.0	2,009 fps	-	40.0	2,152 fps	-
	AR2213SC	.284"	2.770"	40.0	1,978 fps	-	42.0	2,106 fps	-
175 GR. SIE SPBT	AR2219	.284"	2.800"	28.0	1,779 fps	-	30.0	1,905 fps	-
	A DOGGOUL	20.411	2 2000!!	20.0	1,862 fps	_	32.0	1,987 fps	-
	AR2206H	.284"	2.800"	30.0	1,002 103	_			
	AR2206H AR2209	.284"	2.800"	36.0	1,942 fps	-	39.5	•	-
						-		2,066 fps 2,094 fps	-
	AR2209	.284"	2.800"	36.0 39.0	1,942 fps 1,982 fps	-	39.5 41.0	2,066 fps 2,094 fps	-
Zana 00 Deminate	AR2209 AR2213SC	.284"	2.800"	36.0 39.0 Case: R	1,942 fps 1,982 fps ternington	-	39.5 41.0 Barrel le	2,066 fps 2,094 fps ength: 15"	-
7mm-08 Remingtor	AR2209 AR2213SC	.284"	2.800"	36.0 39.0 Case: R Twist: 1	1,942 fps 1,982 fps temington :9.5"	-	39.5 41.0 Barrel le	2,066 fps 2,094 fps	-
7mm-08 Remingtor	AR2209 AR2213SC	.284"	2.800"	36.0 39.0 Case: R Twist: 1	1,942 fps 1,982 fps termington :9.5" Remington 9	- 1/2	39.5 41.0 Barrel le	2,066 fps 2,094 fps ength: 15" gth: 2.025"	-
	AR2209 AR2213SC	.284"	2.800"	36.0 39.0 Case: R Twist: 1 Primer:	1,942 fps 1,982 fps temington :9.5" Remington 9	- 1/2 ds	39.5 41.0 Barrel le Trim len	2,066 fps 2,094 fps ength: 15" gth: 2.025"	oads
Bullet	AR2209 AR2213SC Powder	.284" .284" Bullet Diam.	2.800" 2.800" C.O.L.	36.0 39.0 Case: R Twist: 1 Primer:	1,942 fps 1,982 fps temington 9.5" Remington 9 Start load	1/2 ds Pressure	39.5 41.0 Barrel le Trim len Grs.	2,066 fps 2,094 fps ength: 15" gth: 2.025" Maximum le	oads Pressure
	AR2209 AR2213SC Powder Bench Mark 2	.284" .284" Bullet Diam. .284"	2.800" 2.800" C.O.L. 2.650"	36.0 39.0 Case: R Twist: 1 Primer: Grs. 40.0	1,942 fps 1,982 fps emington :9.5" Remington 9 Start load Velocity 2,655 fps	1/2 cls Pressure 41,400 CUP	39.5 41.0 Barrel le Trim len Grs. 42.5	2,066 fps 2,094 fps ength: 15" gth: 2.025" Maximum le Velocity 2,827 fps	oads Pressure 49,600 CUP
Bullet	AR2209 AR2213SC Powder Bench Mark 2 AR2206H	.284" .284" Bullet Diam. .284"	2.800" 2.800" C.O.L. 2.650"	36.0 39.0 Case: R Twist: 1 Primer: Grs. 40.0 41.0	1,942 fps 1,982 fps temington 9.5" Remington 9 Start load Velocity 2,655 fps 2,585 fps	- 1/2 cls Pressure 41,400 CUP 41,000 CUP	39.5 41.0 Barrel le Trim len Grs. 42.5 45.0	2,066 fps 2,094 fps ength: 15" gth: 2.025" Maximum le Velocity 2,827 fps 2,942 fps	oads Pressure 49,600 CUP
Bullet 100 GR. BAR XFB	AR2209 AR2213SC Powder Bench Mark 2 AR2206H AR2208	.284" .284" .284" .284" .284" .284"	2.800" 2.800" C.O.L. 2.650" 2.650"	36.0 39.0 Case: R Twist: 1 Primer: Grs. 40.0 41.0 42.0	1,942 fps 1,982 fps temington 9.5" Remington 9 Start load Velocity 2,655 fps 2,585 fps 2,636 fps	1/2 ds Pressure 41,400 CUP 41,000 CUP 40,800 CUP	39.5 41.0 Barrel le Trim len Grs. 42.5 45.0 45.7	2,066 fps 2,094 fps ength: 15" gth: 2.025" Maximum I Velocity 2,827 fps 2,942 fps 2,931 fps	oads Pressure 49,600 CUP 49,900 CUP
Bullet	AR2209 AR2213SC Powder Bench Mark 2 AR2206H AR2208 Bench Mark 2	.284" .284" .284" .284" .284" .284"	2.800" 2.800" C.O.L. 2.650" 2.650" 2.800"	36.0 39.0 Case: R Twist: 1 Primer: 40.0 41.0 42.0 37.0	1,942 fps 1,982 fps termington 9.5" Remington 9 Start load Velocity 2,655 fps 2,636 fps 2,339 fps	1/2 cls Pressure 41,400 CUP 41,000 CUP 40,800 CUP 41,500 CUP	39.5 41.0 Barrel let Trim len Grs. 42.5 45.0 45.7 39.8	2,066 fps 2,094 fps ength: 15" gth: 2.025" Maximum I Velocity 2,827 fps 2,942 fps 2,931 fps 2,558 fps	oads Pressure 49,600 CUP 49,900 CUP 49,600 CUP 50,200 CUP
Bullet 100 GR. BAR XFB	AR2209 AR2213SC Powder Bench Mark 2 AR2206H AR2208 Bench Mark 2 AR2206H	.284" .284" Bullet Diam. .284" .284" .284" .284"	2.800" 2.800" C.O.L. 2.650" 2.650" 2.800" 2.800"	36.0 39.0 Case: R Twist: 1 Primer: 40.0 41.0 42.0 37.0 39.5	1,942 fps 1,982 fps temington 9.5" Remington 9 Start load Velocity 2,655 fps 2,585 fps 2,636 fps 2,339 fps 2,454 fps	1/2 ds Pressure 41,400 CUP 41,000 CUP 40,800 CUP 41,500 CUP 43,500 CUP	39.5 41.0 Barrel le Trim len Grs. 42.5 45.0 45.7 39.8 42.0	2,066 fps 2,094 fps ength: 15" gth: 2.025" Maximum I Velocity 2,827 fps 2,942 fps 2,931 fps 2,558 fps 2,632 fps	oads Pressure 49,600 CUP 49,900 CUP 49,600 CUP 50,200 CUP
Bullet 100 GR. BAR XFB 130 GR. SIE HPBT	AR2209 AR2213SC Powder Bench Mark 2 AR2206H AR2208 Bench Mark 2 AR2206H AR2208	.284" .284" .284" .284" .284" .284" .284" .284"	2.800" 2.800" C.O.L. 2.650" 2.650" 2.800" 2.800"	36.0 39.0 Case: R Twist: 1 Primer: 40.0 41.0 42.0 37.0 39.5 40.0	1,942 fps 1,982 fps 1,982 fps emington 9.5" Remington 9 Start load Velocity 2,655 fps 2,585 fps 2,636 fps 2,339 fps 2,454 fps 2,460 fps	1/2 cls Pressure 41,400 CUP 41,000 CUP 40,800 CUP 41,500 CUP 43,500 CUP 43,400 CUP	39.5 41.0 Barrel le Trim len Grs. 42.5 45.0 45.7 39.8 42.0 43.5	2,066 fps 2,094 fps ength: 15" gth: 2.025" Maximum I Velocity 2,827 fps 2,942 fps 2,931 fps 2,558 fps 2,632 fps 2,710 fps	oads Pressure 49,600 CUP 49,600 CUP 50,200 CUP 50,200 CUP 50,100 CUP
Bullet 100 GR. BAR XFB	AR2209 AR2213SC Powder Bench Mark 2 AR2206H AR2208 Bench Mark 2 AR2206H AR2208 Bench Mark 2 Bench Mark 2	.284" .284" .284" .284" .284" .284" .284" .284" .284"	2.800" 2.800" C.O.L. 2.650" 2.650" 2.800" 2.800" 2.800"	36.0 39.0 Case: R Twist: 1 Primer: 40.0 41.0 42.0 37.0 39.5	1,942 fps 1,982 fps emington 9.5" Remington 9 Start load Velocity 2,655 fps 2,636 fps 2,339 fps 2,454 fps 2,460 fps 2,351 fps	1/2 cls Pressure 41,400 CUP 41,000 CUP 40,800 CUP 41,500 CUP 43,400 CUP 40,300 CUP	39.5 41.0 Barrel le Trim len Grs. 42.5 45.0 45.7 39.8 42.0	2,066 fps 2,094 fps ength: 15" gth: 2.025" Maximum I Velocity 2,827 fps 2,942 fps 2,931 fps 2,558 fps 2,632 fps 2,710 fps 2,520 fps	- Pressure 49,600 CUP 49,600 CUP 50,200 CUP 50,200 CUP 50,100 CUP 49,600 CUP
Bullet 100 GR. BAR XFB 130 GR. SIE HPBT	AR2209 AR2213SC Powder Bench Mark 2 AR2206H AR2208 Bench Mark 2 AR2206H AR2208	.284" .284" .284" .284" .284" .284" .284" .284"	2.800" 2.800" C.O.L. 2.650" 2.650" 2.800" 2.800"	36.0 39.0 Case: R Twist: 1 Primer: 40.0 41.0 42.0 37.0 39.5 40.0 37.5 39.0	1,942 fps 1,982 fps emington 9.5" Remington 9 Start load Velocity 2,655 fps 2,585 fps 2,636 fps 2,339 fps 2,454 fps 2,460 fps 2,369 fps	1/2 ds Pressure 41,400 CUP 41,000 CUP 40,800 CUP 41,500 CUP 43,500 CUP 40,300 CUP 40,300 CUP 42,500 CUP	39.5 41.0 Barrel le Trim len Grs. 42.5 45.0 45.7 39.8 42.0 43.5	2,066 fps 2,094 fps ength: 15" gth: 2.025" Maximum I Velocity 2,827 fps 2,942 fps 2,942 fps 2,558 fps 2,632 fps 2,710 fps 2,520 fps 2,575 fps	Oads Pressure 49,600 CUP 49,600 CUP 50,200 CUP 50,200 CUP 50,100 CUP 49,600 CUP
Bullet 100 GR. BAR XFB 130 GR. SIE HPBT	AR2209 AR2213SC Powder Bench Mark 2 AR2206H AR2208 Bench Mark 2 AR2206H AR2208 Bench Mark 2 Bench Mark 2	.284" .284" .284" .284" .284" .284" .284" .284" .284"	2.800" 2.800" C.O.L. 2.650" 2.650" 2.800" 2.800" 2.800"	36.0 39.0 Case: R Twist: 1 Primer: 40.0 41.0 42.0 37.0 39.5 40.0 37.5	1,942 fps 1,982 fps emington 9.5" Remington 9 Start load Velocity 2,655 fps 2,636 fps 2,339 fps 2,454 fps 2,460 fps 2,351 fps	1/2 cls Pressure 41,400 CUP 41,000 CUP 40,800 CUP 41,500 CUP 43,400 CUP 40,300 CUP	39.5 41.0 Barrel let Trim len Grs. 42.5 45.0 45.7 39.8 42.0 43.5 40.5	2,066 fps 2,094 fps ength: 15" gth: 2.025" Maximum I Velocity 2,827 fps 2,942 fps 2,931 fps 2,558 fps 2,632 fps 2,710 fps 2,520 fps	Oads Pressure 49,600 CUP 49,600 CUP 50,200 CUP 50,200 CUP 50,100 CUP 49,600 CUP
Bullet 100 GR. BAR XFB 130 GR. SIE HPBT	AR2209 AR2213SC Powder Bench Mark 2 AR2206H AR2208 Bench Mark 2 AR2206H AR2208 Bench Mark 2 AR2206H AR2208 Bench Mark 2 AR2206H	.284" .284" Bullet Diam284" .284" .284" .284" .284" .284" .284" .284" .284"	2.800" 2.800" C.O.L. 2.650" 2.650" 2.800" 2.800" 2.800" 2.800"	36.0 39.0 Case: R Twist: 1 Primer: 40.0 41.0 42.0 37.0 39.5 40.0 37.5 39.0	1,942 fps 1,982 fps emington 9.5" Remington 9 Start load Velocity 2,655 fps 2,585 fps 2,636 fps 2,339 fps 2,454 fps 2,460 fps 2,369 fps	1/2 ds Pressure 41,400 CUP 41,000 CUP 40,800 CUP 41,500 CUP 43,500 CUP 40,300 CUP 40,300 CUP 42,500 CUP	39.5 41.0 Barrel le Trim len Grs. 42.5 45.0 45.7 39.8 42.0 43.5 40.5	2,066 fps 2,094 fps ength: 15" gth: 2.025" Maximum I Velocity 2,827 fps 2,942 fps 2,942 fps 2,558 fps 2,632 fps 2,710 fps 2,520 fps 2,575 fps	Oads Pressure 49,600 CUP 49,600 CUP 50,200 CUP 50,200 CUP 50,100 CUP 49,600 CUP 50,200 CUP 50,200 CUP
Bullet 100 GR. BAR XFB 130 GR. SIE HPBT	AR2209 AR2213SC Powder Bench Mark 2 AR2206H AR2208	284" 284" Bullet Diam. 284" 284" 284" 284" 284" 284" 284" 284"	2.800" 2.800" C.O.L. 2.650" 2.650" 2.800" 2.800" 2.800" 2.800" 2.800"	36.0 39.0 Case: R Twist: 1 Primer: 40.0 41.0 42.0 37.0 39.5 40.0 37.5 39.0 40.5	1,942 fps 1,982 fps 1,982 fps temington 9.5" Remington 9 Start load Velocity 2,655 fps 2,585 fps 2,636 fps 2,339 fps 2,454 fps 2,460 fps 2,351 fps 2,369 fps 2,436 fps	1/2 cls Pressure 41,400 CUP 41,000 CUP 40,800 CUP 41,500 CUP 43,500 CUP 43,400 CUP 40,300 CUP 42,500 CUP 44,700 CUP	39.5 41.0 Barrel le Trim len Grs. 42.5 45.0 45.7 39.8 42.0 43.5 40.5 42.5 43.5	2,066 fps 2,094 fps ength: 15" gth: 2.025" Maximum I Velocity 2,827 fps 2,942 fps 2,931 fps 2,558 fps 2,632 fps 2,710 fps 2,520 fps 2,575 fps 2,612 fps	Oads Pressure 49,600 CUP 49,600 CUP 50,200 CUP 50,200 CUP 49,600 CUP 50,200 CUP 50,200 CUP 49,600 CUP 49,600 CUP
Bullet 100 GR. BAR XFB 130 GR. SIE HPBT 139 GR. HDY SP	AR2209 AR2213SC Powder Bench Mark 2 AR2206H AR2208	284" 284" Bullet Diam. 284" 284" 284" 284" 284" 284" 284" 284"	2.800" 2.800" 2.800" C.O.L. 2.650" 2.650" 2.800" 2.800" 2.800" 2.800" 2.800"	36.0 39.0 Case: R Twist: 1 Primer: 40.0 41.0 42.0 37.0 39.5 40.0 37.5 39.0 40.5 47.0	1,942 fps 1,982 fps emington 9.5" Remington 9 Start load Velocity 2,655 fps 2,636 fps 2,339 fps 2,454 fps 2,460 fps 2,369 fps 2,369 fps 2,436 fps 2,436 fps	1/2 cls Pressure 41,400 CUP 41,000 CUP 40,800 CUP 43,500 CUP 43,400 CUP 40,300 CUP 42,500 CUP 44,700 CUP 40,400 CUP	39.5 41.0 Barrel let Trim len 42.5 45.0 45.7 39.8 42.0 43.5 40.5 42.5 43.5 50.0C	2,066 fps 2,094 fps ength: 15" gth: 2.025" Maximum I Velocity 2,827 fps 2,942 fps 2,931 fps 2,558 fps 2,632 fps 2,710 fps 2,520 fps 2,575 fps 2,612 fps 2,581 fps	oads Pressure 49,600 CUP 49,600 CUP 50,200 CUP 50,200 CUP 50,200 CUP 50,200 CUP 49,600 CUP 50,200 CUP 50,000 CUP 50,000 CUP 50,200 CUP
Bullet 100 GR. BAR XFB 130 GR. SIE HPBT 139 GR. HDY SP	AR2209 AR2213SC Powder Bench Mark 2 AR2206H AR2208 Bench Mark 2	.284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284"	2.800" 2.800" C.O.L. 2.650" 2.650" 2.800" 2.800" 2.800" 2.800" 2.800" 2.800"	36.0 39.0 Case: R Twist: 1 Primer: 40.0 41.0 42.0 37.0 39.5 40.0 37.5 39.0 40.5 47.0 36.0	1,942 fps 1,982 fps 1,982 fps termington 9.5" Remington 9 Start load Velocity 2,655 fps 2,585 fps 2,636 fps 2,454 fps 2,460 fps 2,369 fps 2,436 fps 2,436 fps 2,436 fps 2,438 fps 2,408 fps 2,283 fps	1/2 dis Pressure 41,400 CUP 41,000 CUP 40,800 CUP 41,500 CUP 43,500 CUP 43,400 CUP 40,300 CUP 42,500 CUP 44,700 CUP 40,400 CUP 43,300 CUP	39.5 41.0 Barrel le Trim len Grs. 42.5 45.0 45.7 39.8 42.0 43.5 40.5 42.5 43.5 50.0C 38.5	2,066 fps 2,094 fps 2,094 fps Ingth: 15" gth: 2.025" Maximum I Velocity 2,827 fps 2,942 fps 2,942 fps 2,558 fps 2,632 fps 2,710 fps 2,520 fps 2,575 fps 2,612 fps 2,581 fps 2,408 fps	50,200 CUP
Bullet 100 GR. BAR XFB 130 GR. SIE HPBT 139 GR. HDY SP	AR2209 AR2213SC Powder Bench Mark 2 AR2206H AR2208 Bench Mark 2 AR2206H AR2208 Bench Mark 2 AR2206H AR2208 Bench Mark 2 AR2206H AR2209 Bench Mark 2 AR2206H	284" 284" Bullet Diam. 284" 284" 284" 284" 284" 284" 284" 284"	2.800" 2.800" C.O.L. 2.650" 2.650" 2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.800"	36.0 39.0 Case: R Twist: 1 Primer: 40.0 41.0 42.0 37.0 39.5 40.0 40.5 47.0 36.0 37.0	1,942 fps 1,982 fps 1,982 fps termington 9.5" Remington 9 Start load Velocity 2,655 fps 2,585 fps 2,636 fps 2,339 fps 2,460 fps 2,369 fps 2,436 fps 2,436 fps 2,408 fps 2,283 fps 2,298 fps	1/2 ds Pressure 41,400 CUP 41,000 CUP 40,800 CUP 43,500 CUP 43,400 CUP 43,400 CUP 42,500 CUP 44,700 CUP 44,700 CUP 40,400 CUP 43,300 CUP 43,300 CUP	39.5 41.0 Barrel le Trim len Grs. 42.5 45.0 45.7 39.8 42.0 43.5 40.5 42.5 43.5 50.0C 38.5 40.5	2,066 fps 2,094 fps 2,094 fps Ingth: 15" gth: 2.025" Maximum In Velocity 2,827 fps 2,942 fps 2,942 fps 2,558 fps 2,632 fps 2,710 fps 2,575 fps 2,612 fps 2,612 fps 2,408 fps 2,409 fps	Fressure 49,600 CUP 49,600 CUP 50,200 CUP 50,000 CUP 50,000 CUP 50,000 CUP
Bullet 100 GR. BAR XFB 130 GR. SIE HPBT 139 GR. HDY SP	AR2209 AR2213SC Powder Bench Mark 2 AR2206H AR2208 AR2206H AR2208 AR2209 Bench Mark 2 AR2209	284" 284" Bullet Diam. 284" 284" 284" 284" 284" 284" 284" 284"	2.800" 2.800" 2.800" 2.650" 2.650" 2.650" 2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.800"	36.0 39.0 Case: R Twist: 1 Primer: 40.0 41.0 42.0 37.0 39.5 40.0 37.5 39.0 40.5 47.0 36.0 37.0 38.5	1,942 fps 1,982 fps 1,982 fps emington 9.5" Remington 9 Start load Velocity 2,655 fps 2,636 fps 2,339 fps 2,454 fps 2,460 fps 2,351 fps 2,369 fps 2,436 fps 2,436 fps 2,436 fps 2,2436 fps 2,2436 fps 2,2436 fps 2,436 fps 2,436 fps 2,436 fps 2,436 fps 2,436 fps 2,436 fps 2,438 fps 2,283 fps 2,298 fps 2,345 fps	1/2 dis Pressure 41,400 CUP 41,000 CUP 40,800 CUP 43,500 CUP 43,400 CUP 43,400 CUP 44,700 CUP 44,700 CUP 44,700 CUP 43,300 CUP 43,300 CUP 43,300 CUP 42,400 CUP	39.5 41.0 Barrel le Trim len Grs. 42.5 45.0 45.7 39.8 42.0 43.5 40.5 43.5 50.0C 38.5 40.5 41.3	2,066 fps 2,094 fps ength: 15" gth: 2.025" Maximum I Velocity 2,827 fps 2,942 fps 2,931 fps 2,558 fps 2,632 fps 2,710 fps 2,520 fps 2,575 fps 2,612 fps 2,581 fps 2,408 fps 2,408 fps 2,508 fps	50,200 CUP 50,000 CUP 50,000 CUP 50,000 CUP 50,000 CUP
Bullet 100 GR. BAR XFB 130 GR. SIE HPBT 139 GR. HDY SP 150 GR. SIE HPBT	AR2209 AR2213SC Powder Bench Mark 2 AR2206H AR2208 AR2206H AR2208 AR2209 Bench Mark 2 AR2209 Bench Mark 2 AR2209	.284" .284"	2.800" 2.800" C.O.L. 2.650" 2.650" 2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.800"	36.0 39.0 Case: R Twist: 1 Primer: 40.0 41.0 42.0 37.0 39.5 40.0 37.5 39.0 40.5 47.0 36.0 37.0 38.5 45.0	1,942 fps 1,982 fps 1,982 fps termington 9.5" Remington 9 Start load Velocity 2,655 fps 2,585 fps 2,636 fps 2,454 fps 2,460 fps 2,369 fps 2,436 fps 2,436 fps 2,436 fps 2,2436 fps 2,2436 fps 2,2436 fps 2,2436 fps 2,2436 fps 2,345 fps 2,2436 fps	1/2 dis Pressure 41,400 CUP 41,000 CUP 40,800 CUP 43,500 CUP 43,500 CUP 43,400 CUP 42,500 CUP 44,700 CUP 40,400 CUP 43,300 CUP 43,300 CUP 42,400 CUP 42,400 CUP 42,000 CUP	39.5 41.0 Barrel let Trim len Grs. 42.5 45.0 45.7 39.8 42.0 43.5 40.5 40.5 40.5 41.3 48.5C	2,066 fps 2,094 fps 2,094 fps Ingth: 15" gth: 2.025" Maximum In Velocity 2,827 fps 2,942 fps 2,942 fps 2,558 fps 2,632 fps 2,710 fps 2,575 fps 2,520 fps 2,575 fps 2,612 fps 2,408 fps 2,408 fps 2,409 fps 2,508 fps 2,552 fps	Fressure 49,600 CUP 49,600 CUP 50,200 CUP 50,000 CUP 50,000 CUP 50,000 CUP 49,600 CUP
Bullet 100 GR. BAR XFB 130 GR. SIE HPBT 139 GR. HDY SP 150 GR. SIE HPBT	AR2209 AR2213SC Powder Bench Mark 2 AR2206H AR2208 AR2206H AR2208 AR2209 Bench Mark 2 AR2206H AR2208 Bench Mark 2	284" 284" 284" 284" 284" 284" 284" 284" 284" 284" 284" 284" 284" 284" 284" 284" 284" 284" 284" 284"	2.800" 2.800" 2.800" 2.650" 2.650" 2.650" 2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.800"	36.0 39.0 Case: R Twist: 1 Primer: 40.0 41.0 42.0 37.0 39.5 40.0 40.5 47.0 36.0 37.0 38.5 45.0 36.0	1,942 fps 1,982 fps 1,982 fps emington 9.5" Remington 9 Start load Velocity 2,655 fps 2,585 fps 2,636 fps 2,436 fps 2,460 fps 2,460 fps 2,436 fps 2,436 fps 2,408 fps 2,408 fps 2,283 fps 2,298 fps 2,345 fps 2,333 fps 2,264 fps	1/2 ds Pressure 41,400 CUP 41,000 CUP 40,800 CUP 43,500 CUP 43,500 CUP 43,400 CUP 42,500 CUP 44,700 CUP 43,300 CUP 43,300 CUP 43,300 CUP 42,400 CUP 42,400 CUP 42,000 CUP 43,100 CUP	39.5 41.0 Barrel le Trim len Grs. 42.5 45.0 45.7 39.8 42.0 43.5 40.5 42.5 43.5 50.0C 38.5 40.5 41.3 48.5C 38.0	2,066 fps 2,094 fps 2,094 fps Ingth: 15" gth: 2.025" Maximum I Velocity 2,827 fps 2,942 fps 2,942 fps 2,558 fps 2,632 fps 2,710 fps 2,575 fps 2,612 fps 2,575 fps 2,408 fps 2,408 fps 2,499 fps 2,508 fps 2,552 fps 2,394 fps	Fressure 49,600 CUP 49,600 CUP 50,200 CUP 50,200 CUP 50,200 CUP 50,200 CUP 50,200 CUP 50,000 CUP 50,000 CUP 50,000 CUP 50,000 CUP 50,000 CUP 47,500 CUP 50,000 CUP 49,200 CUP 49,800 CUP
Bullet 100 GR. BAR XFB 130 GR. SIE HPBT 139 GR. HDY SP 150 GR. SIE HPBT	AR2209 AR2213SC Powder Bench Mark 2 AR2206H AR2208 AR2206H AR2209 Bench Mark 2 AR2206H AR2208 AR2209 Bench Mark 2 AR2206H AR2208 AR2209	284" 284" 284" 284" 284" 284" 284" 284" 284" 284" 284" 284" 284" 284" 284" 284" 284" 284" 284" 284" 284"	2.800" 2.800" C.O.L. 2.650" 2.650" 2.650" 2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.800"	36.0 39.0 Case: R Twist: 1 Primer: 40.0 41.0 42.0 37.0 39.5 40.0 37.5 39.0 40.5 47.0 36.0 37.0 38.5 45.0 36.0 37.0	1,942 fps 1,982 fps 1,982 fps emington 9.5" Remington 9 Start load Velocity 2,655 fps 2,636 fps 2,339 fps 2,454 fps 2,460 fps 2,351 fps 2,436 fps 2,436 fps 2,436 fps 2,436 fps 2,436 fps 2,436 fps 2,438 fps 2,283 fps 2,298 fps 2,345 fps 2,298 fps 2,333 fps 2,264 fps 2,239 fps	1/2 dis Pressure 41,400 CUP 41,000 CUP 40,800 CUP 43,500 CUP 43,400 CUP 43,400 CUP 44,700 CUP 44,700 CUP 44,700 CUP 43,300 CUP 43,300 CUP 42,400 CUP 42,400 CUP 43,100 CUP 43,700 CUP	39.5 41.0 Barrel le Trim len Grs. 42.5 45.0 45.7 39.8 42.0 43.5 40.5 43.5 50.0C 38.5 40.5 41.3 48.5C 38.0 39.5	2,066 fps 2,094 fps 2,094 fps Ingth: 15" gth: 2.025" Maximum I Velocity 2,827 fps 2,942 fps 2,931 fps 2,558 fps 2,632 fps 2,710 fps 2,520 fps 2,575 fps 2,612 fps 2,581 fps 2,408 fps 2,408 fps 2,499 fps 2,508 fps 2,394 fps 2,394 fps 2,429 fps	Oads Pressure 49,600 CUP 49,600 CUP 50,200 CUP 50,200 CUP 50,100 CUP 49,600 CUP

				Case: R	temington		Barrel le	ength: 15"	
7mm-08 Remington	n			Twist: 1	:9.5"		Trim len	igth: 2.025"	
5 **				Primer:	Remington 9	1/2			
					Start load	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
	AR2206H	.284"	2.800"	36.5	2,211 fps	45,400 CUP	39.0	2,345 fps	49,700 CUP
	AR2208	.284"	2.800"	37.5	2,231 fps	44,600 CUP	40.0	2,380 fps	50,100 CUP
	AR2209	.284"	2.800"	44.5	2,255 fps	42,600 CUP	47.2C	2,404 fps	50,000 CUP
175 GR. NOS PART	Bench Mark 2	.284"	2.800"	34.0	2,107 fps	42,400 CUP	36.5	2,213 fps	49,700 CUP
	AR2206H	.284"	2.800"	35.0	2,117 fps	44,500 CUP	37.5	2,228 fps	49,700 CUP
	AR2208	.284"	2.800"	35.0	2,134 fps	43,400 CUP	37.5	2,236 fps	49,500 CUP
	AR2209	.284"	2.800"	42.0	2,152 fps	41,900 CUP	45.0C	2,325 fps	49,900 CUP
				Case:			Barrel le	ength: 4.5"	
30 Luger (7.65mm l	Darahallum\			Twist: -			Trim len	_	
30 Luger (7.03mm)	raiabellulli)			Primer:				-J	
				T TIME	Start load	de		Maximum I	nade
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
85 GR.	AP50N	.309"	1.150"	-	-	-	4.0	1,000 fps	-
	AP50N	.309"	1.150"	_	<u> </u>	_	3.8	925 fps	_
95 GR		.000	100				0.0	020 lpc	
95 GR.									
95 GR.		<u> </u>		Case: W	/inchester			ength: 7"	
				Case: W				ength: 7" ngth: 1.286"	
				Twist: 1				•	
				Twist: 1	:20"	ds		•	oads
		Bullet Diam.	C.O.L.	Twist: 1	:20" CCI 400	ds Pressure		ngth: 1.286"	oads Pressure
30 Carbine (30 M1 (Carbine)	Bullet Diam.	C.O.L. 1.625"	Twist: 1 Primer:	:20" CCI 400 Start load		Trim len	igth: 1.286" Maximum I	1
95 GR. 30 Carbine (30 M1 Carbine) Bullet 85 GR. SIE RN 100 GR. SPR SP	Carbine)			Twist: 1 Primer: Grs.	:20" CCI 400 Start load Velocity	Pressure	Trim len	gth: 1.286" Maximum I Velocity	Pressure
30 Carbine (30 M1 (Bullet 85 GR. SIE RN 100 GR. SPR SP	Carbine) Powder AR2205	.308"	1.625"	Twist: 1 Primer: Grs. 14.5	:20" CCI 400 Start load Velocity 1,643 fps	Pressure 25,200 CUP	Grs. 15.5C	Maximum I Velocity 1,745 fps	Pressure 30,700 CUP
30 Carbine (30 M1 0 Bullet 85 GR. SIE RN	Powder AR2205 AR2205	.308"	1.625" 1.625"	Twist: 1 Primer: Grs. 14.5 13.0 13.0	20" CCI 400 Start load Velocity 1,643 fps 1,503 fps	Pressure 25,200 CUP 28,900 CUP 30,100 CUP	Grs. 15.5C 14.5C 14.5C	Maximum I Velocity 1,745 fps 1,621 fps	Pressure 30,700 CUP 33,600 CUP
30 Carbine (30 M1 0 Bullet 85 GR. SIE RN 100 GR. SPR SP 110 GR. HDY JRN	Powder AR2205 AR2205	.308"	1.625" 1.625"	Twist: 1 Primer: Grs. 14.5 13.0 13.0	CCI 400 Start load Velocity 1,643 fps 1,503 fps 1,461 fps ederal (reform	Pressure 25,200 CUP 28,900 CUP 30,100 CUP	Grs. 15.5C 14.5C 14.5C Barrel le	Maximum I Velocity 1,745 fps 1,621 fps 1,602 fps	Pressure 30,700 CUP 33,600 CUP
30 Carbine (30 M1 (Bullet 85 GR. SIE RN 100 GR. SPR SP	Powder AR2205 AR2205	.308"	1.625" 1.625"	Twist: 1 Primer: Grs. 14.5 13.0 13.0 Case: For Twist: 1	CCI 400 Start load Velocity 1,643 fps 1,503 fps 1,461 fps ederal (reform	Pressure 25,200 CUP 28,900 CUP 30,100 CUP	Grs. 15.5C 14.5C 14.5C Barrel le	Maximum I Velocity 1,745 fps 1,621 fps 1,602 fps ength: 10"	Pressure 30,700 CUP 33,600 CUP
30 Carbine (30 M1 0 Bullet 85 GR. SIE RN 100 GR. SPR SP 110 GR. HDY JRN	Powder AR2205 AR2205	.308"	1.625" 1.625"	Twist: 1 Primer: Grs. 14.5 13.0 13.0 Case: For Twist: 1	CCI 400 Start load Velocity 1,643 fps 1,503 fps 1,461 fps ederal (reform :14" Federal 210	25,200 CUP 28,900 CUP 30,100 CUP ed)	Grs. 15.5C 14.5C 14.5C Barrel le	Maximum I Velocity 1,745 fps 1,621 fps 1,602 fps ength: 10" egth: 1.595"	Pressure 30,700 CUP 33,600 CUP 38,800 CUP
30 Carbine (30 M1 (Bullet 85 GR. SIE RN 100 GR. SPR SP 110 GR. HDY JRN 30 Herrett	Powder AR2205 AR2205 AR2205	.308" .308" .308"	1.625" 1.625" 1.680"	Twist: 1 Primer: Grs. 14.5 13.0 13.0 Case: Fr Twist: 1 Primer:	CCI 400 Start load Velocity 1,643 fps 1,503 fps 1,461 fps ederal (reform :14" Federal 210 Start load	Pressure 25,200 CUP 28,900 CUP 30,100 CUP ed)	Grs. 15.5C 14.5C 14.5C Barrel le	Maximum I Velocity 1,745 fps 1,621 fps 1,602 fps ength: 10" egth: 1.595" Maximum I	Pressure 30,700 CUP 33,600 CUP 38,800 CUP
30 Carbine (30 M1 (Bullet 85 GR. SIE RN 100 GR. SPR SP 110 GR. HDY JRN 30 Herrett Bullet	Powder AR2205 AR2205 AR2205 Powder	.308" .308" .308"	1.625" 1.625" 1.680"	Twist: 1 Primer: Grs. 14.5 13.0 13.0 Case: Formula Twist: 1 Primer: Grs.	CCI 400 Start load Velocity 1,643 fps 1,503 fps 1,461 fps ederal (reform :14" Federal 210 Start load Velocity	25,200 CUP 28,900 CUP 30,100 CUP ed)	Grs. 15.5C 14.5C 14.5C Barrel le Trim len	Maximum I Velocity 1,745 fps 1,621 fps 1,602 fps ength: 10" egth: 1.595" Maximum I Velocity	Pressure 30,700 CUP 33,600 CUP 38,800 CUP
30 Carbine (30 M1 0 Bullet 85 GR. SIE RN 100 GR. SPR SP 110 GR. HDY JRN	Powder AR2205 AR2205 AR2205	.308" .308" .308"	1.625" 1.625" 1.680"	Twist: 1 Primer: Grs. 14.5 13.0 13.0 Case: Fr Twist: 1 Primer:	CCI 400 Start load Velocity 1,643 fps 1,503 fps 1,461 fps ederal (reform :14" Federal 210 Start load Velocity 1,623 fps	Pressure 25,200 CUP 28,900 CUP 30,100 CUP ed) ds Pressure	Grs. 15.5C 14.5C 14.5C Barrel le	Maximum I Velocity 1,745 fps 1,621 fps 1,602 fps ength: 10" egth: 1.595" Maximum I	Pressure 30,700 CUP 33,600 CUP 38,800 CUP
30 Carbine (30 M1 (Bullet 85 GR. SIE RN 100 GR. SPR SP 110 GR. HDY JRN 30 Herrett Bullet	Powder AR2205 AR2205 AR2205 Powder AR2207	.308" .308" .308" Bullet Diam.	1.625" 1.625" 1.680" C.O.L. 2.320"	Twist: 1 Primer: Grs. 14.5 13.0 13.0 Case: For Twist: 1 Primer: Grs. 19.0 23.0	CCI 400 Start load Velocity 1,643 fps 1,503 fps 1,461 fps ederal (reform :14" Federal 210 Start load Velocity	Pressure 25,200 CUP 28,900 CUP 30,100 CUP ed) ds Pressure -	Grs. 15.5C 14.5C 14.5C Barrel le Trim len 22.0 24.0	Maximum I Velocity 1,745 fps 1,621 fps 1,602 fps ength: 10" egth: 1.595" Maximum I Velocity 1,797 fps 1,654 fps	Pressure 30,700 CUP 33,600 CUP 38,800 CUP
30 Carbine (30 M1 (3) M1 (30 M1 (30 M1 (3) M1 (30 M1 (3) M1 (30 M1 (3) M1 (30 M	Powder AR2205 AR2205 AR2205 AR2207 AR2219	.308" .308" .308" Bullet Diam.	1.625" 1.625" 1.680" C.O.L. 2.320"	Twist: 1 Primer: Grs. 14.5 13.0 13.0 Case: Fr Twist: 1 Primer: Grs. 19.0 23.0 Case:	CCI 400 Start load Velocity 1,643 fps 1,503 fps 1,461 fps ederal (reform :14" Federal 210 Start load Velocity 1,623 fps	Pressure 25,200 CUP 28,900 CUP 30,100 CUP ed) ds Pressure -	Grs. 15.5C 14.5C 14.5C Barrel le Grs. 22.0 24.0	Maximum I Velocity 1,745 fps 1,621 fps 1,602 fps ength: 10" gth: 1.595" Maximum I Velocity 1,797 fps 1,654 fps ength: 5.5"	Pressure 30,700 CUP 33,600 CUP 38,800 CUP
30 Carbine (30 M1 (Bullet 85 GR. SIE RN 100 GR. SPR SP 110 GR. HDY JRN 30 Herrett Bullet	Powder AR2205 AR2205 AR2205 AR2207 AR2219	.308" .308" .308" Bullet Diam.	1.625" 1.625" 1.680" C.O.L. 2.320"	Twist: 1 Primer: Grs. 14.5 13.0 13.0 Case: For Twist: 1 Primer: Grs. 19.0 23.0	CCI 400 Start load Velocity 1,643 fps 1,503 fps 1,461 fps ederal (reform :14" Federal 210 Start load Velocity 1,623 fps	Pressure 25,200 CUP 28,900 CUP 30,100 CUP ed) ds Pressure -	Grs. 15.5C 14.5C 14.5C Barrel le Trim len 22.0 24.0	Maximum I Velocity 1,745 fps 1,621 fps 1,602 fps ength: 10" gth: 1.595" Maximum I Velocity 1,797 fps 1,654 fps ength: 5.5"	Pressure 30,700 CUP 33,600 CUP 38,800 CUP
30 Carbine (30 M1 (3) M1 (30 M1 (30 M1 (3) M1 (30 M1 (3) M1 (30 M1 (3) M1 (30 M	Powder AR2205 AR2205 AR2205 AR2207 AR2219	.308" .308" .308" Bullet Diam.	1.625" 1.625" 1.680" C.O.L. 2.320"	Twist: 1 Primer: Grs. 14.5 13.0 13.0 Case: Fr Twist: 1 Primer: Grs. 19.0 23.0 Case:	CCI 400 Start load Velocity 1,643 fps 1,503 fps 1,461 fps ederal (reform :14" Federal 210 Start load Velocity 1,623 fps	Pressure 25,200 CUP 28,900 CUP 30,100 CUP ed) ds Pressure -	Grs. 15.5C 14.5C 14.5C Barrel le Grs. 22.0 24.0	Maximum I Velocity 1,745 fps 1,621 fps 1,602 fps ength: 10" gth: 1.595" Maximum I Velocity 1,797 fps 1,654 fps ength: 5.5"	Pressure 30,700 CUP 33,600 CUP 38,800 CUP
30 Carbine (30 M1 (3) M1 (30 M1 (30 M1 (3) M1 (30 M1 (3) M1 (30 M1 (3) M1 (30 M	Powder AR2205 AR2205 AR2205 AR2207 AR2219	.308" .308" .308" Bullet Diam.	1.625" 1.625" 1.680" C.O.L. 2.320"	Twist: 1 Primer: Grs. 14.5 13.0 13.0 Case: Formula Twist: 1 Primer: Grs. 19.0 23.0 Case: Twist: -	CCI 400 Start load Velocity 1,643 fps 1,503 fps 1,461 fps ederal (reform :14" Federal 210 Start load Velocity 1,623 fps	Pressure 25,200 CUP 28,900 CUP 30,100 CUP ed) ds Pressure -	Grs. 15.5C 14.5C 14.5C Barrel le Grs. 22.0 24.0	Maximum I Velocity 1,745 fps 1,621 fps 1,602 fps ength: 10" gth: 1.595" Maximum I Velocity 1,797 fps 1,654 fps ength: 5.5"	Pressure 30,700 CUP 33,600 CUP 38,800 CUP oads Pressure
30 Carbine (30 M1 (3) M1 (30 M1 (30 M1 (3) M1 (30 M1 (3) M1 (30 M1 (3) M1 (30 M	Powder AR2205 AR2205 AR2205 AR2207 AR2219	.308" .308" .308" Bullet Diam.	1.625" 1.625" 1.680" C.O.L. 2.320"	Twist: 1 Primer: Grs. 14.5 13.0 13.0 Case: Formula Twist: 1 Primer: Grs. 19.0 23.0 Case: Twist: -	CCI 400 Start load Velocity 1,643 fps 1,503 fps 1,461 fps ederal (reform :14" Federal 210 Start load Velocity 1,623 fps 1,609 fps	Pressure 25,200 CUP 28,900 CUP 30,100 CUP ed) ds Pressure -	Grs. 15.5C 14.5C 14.5C Barrel le Grs. 22.0 24.0	Maximum I Velocity 1,745 fps 1,621 fps 1,602 fps ength: 10" gth: 1.595" Maximum I Velocity 1,797 fps 1,654 fps ength: 5.5" ength: -	Pressure 30,700 CUP 33,600 CUP 38,800 CUP oads Pressure
30 Carbine (30 M1 (30 M	Powder AR2205 AR2205 AR2205 AR2205 Powder AR2207 AR2219 Mauser)	.308" .308" .308" Bullet Diam. .308"	1.625" 1.625" 1.680" C.O.L 2.320"	Twist: 1 Primer: Grs. 14.5 13.0 13.0 Case: Formula Twist: 1 Primer: Grs. 19.0 23.0 Case: Twist: - Primer:	CCI 400 Start load Velocity 1,643 fps 1,503 fps 1,461 fps ederal (reform 14" Federal 210 Start load Velocity 1,623 fps 1,609 fps	Pressure 25,200 CUP 28,900 CUP 30,100 CUP ed) ds Pressure	Grs. 15.5C 14.5C 14.5C Barrel le Trim len Grs. 22.0 24.0 Barrel le	Maximum I Velocity 1,745 fps 1,621 fps 1,602 fps ength: 10" egth: 1.595" Maximum I Velocity 1,797 fps 1,654 fps ength: 5.5" ength: -	Pressure 30,700 CUP 33,600 CUP 38,800 CUP oads Pressure

				Caso: \A	Vinchester		Rarrol k	ength: 14"	
00.00147 1 4				Twist: 1				ngth: 2.029"	
30-30 Winchester						_	minie	ıgu I. 2.029	
				Primer:	Winchester L	R .	1		
			r		Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
130 GR. SPR FP	Bench Mark 2	.308"	2.540"	27.7	1,905 fps	33,700 CUP	29.7	2,020 fps	37,100 CUP
	AR2206H	.308"	2.540"	31.5	1,984 fps	27,600 CUP	35.0	2,194 fps	35,300 CUP
	AR2208	.308"	2.540"	32.5	1,988 fps	30,200 CUP	36.0C	2,238 fps	35,700 CUP
150 GR. SIE FN	Bench Mark 2	.308"	2.550"	27.0	1,817 fps	32,100 CUP	29.0	1,944 fps	37,200 CUP
	AR2206H	.308"	2.550"	30.5	1,899 fps	27,900 CUP	34.0	2,116 fps	36,700 CUP
	AR2208	.308"	2.550"	31.0	1,907 fps	31,100 CUP	34.5	2,119 fps	36,200 CUP
170 GR. SIE FP	Bench Mark 2	.308"	2.550"	25.3	1,686 fps	32,200 CUP	27.0	1,782 fps	36,100 CUP
	AR2206H	.308"	2.550"	27.5	1,704 fps	28,200 CUP	30.5	1,896 fps	35,200 CUP
	AR2208	.308"	2.550"	29.5	1,806 fps	30,200 CUP	33.0	2,023 fps	36,500 CUP
				Caso: \/	Vinchester		Barrol k	noth: 15"	
000 147 1 1				Twist: 1				ength: 15" egth: 2.005"	
308 Winchester							min ier	ı yu I. ∠.000	
				Primer:	Federal 210N	1	1		
			Т		Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
110 GR. BAR XFB	AR2207	.308"	2.800"	37.0	2,644 fps	40,700 CUP	40.0	2,841 fps	51,000 CUP
	AR2219	.308"	2.800"	42.0	2,676 fps	43,600 CUP	45.0	2,879 fps	51,800 CUP
	Bench Mark 2	.308"	2.800"	44.0	2,722 fps	42,400 CUP	48.0	2,944 fps	50,800 CUP
110 GR. BAR TSX	Bench Mark 8208	.308"	2.690"	45.5	2,695 fps	37,700 PSI	50.0C	2,965 fps	50,000 PSI
110 GR. BAR XFB	AR2206H	.308"	2.800"	45.0	2,617 fps	39,000 CUP	49.0C	2,887 fps	49,900 CUP
	AR2208	.308"	2.800"	48.0	2,738 fps	42,100 CUP	50.0C	2,921 fps	46,100 CUP
125 GR. SIE SP	AR2207	.308"	2.700"	36.0	2,446 fps	46,600 CUP	39.5	2,662 fps	49,800 CUP
	AR2219	.308"	2.700"	42.0	2,611 fps	43,400 CUP	45.0	2,787 fps	51,400 CUP
	Bench Mark 2	.308"	2.700"	43.0	2,545 fps	40,600 CUP	47.5	2,827 fps	50,700 CUP
	Bench Mark 8208	.308"	2.700"	46.0	2,707 fps	50,200 PSI	49.2C	2,887 fps	60,100 PSI
	AR2206H	.308"	2.700"	45.0	2,579 fps	36,800 CUP	49.0C	2,831 fps	48,400 CUP
	AR2208	.308"	2.700"	48.0	2,727 fps	42,400 CUP	50.0C	2,843 fps	45,700 CUP
130 GR. SPR HP	AR2207	.308"	2.615"	35.0	2,472 fps	44,700 CUP	37.0	2,590 fps	49,700 CUP
	AR2219	.308"	2.615"	40.0	2,481 fps	41,200 CUP	43.0	2,664 fps	49,800 CUP
	Bench Mark 2	.308"	2.615"	41.0	2,429 fps	38,800 CUP	46.0	2,767 fps	50,100 CUP
130 GR. SPR SP	Bench Mark 8208	.308"	2.615"	43.0	2,531 fps	46,900 PSI	48.0C	2,856 fps	62,000 PSI
130 GR. SPR HP	AR2206H	.308"	2.615"	45.0	2,599 fps	41,800 CUP	49.0C	2,831 fps	50,100 CUP
	AR2208	.308"	2.615"	47.0	2,706 fps	42,900 CUP	50.0C	2,847 fps	50,400 CUP
150 GR. NOS BT	Trail Boss	.308"	2.800"	10.0	1,060 fps	25,800 PSI	14.0	1,344 fps	27,100 PSI
	AR2219	.308"	2.800"	37.0	2,284 fps	39,100 CUP	40.0	2,471 fps	50,500 CUP
	Bench Mark 2	.308"	2.800"	39.0	2,315 fps	38,800 CUP	43.0	2,596 fps	49,000 CUP
	Bench Mark 8208	.308"	2.800"	40.0	2,330 fps	45,500 PSI	44.5C	2,635 fps	60,800 PSI
	AR2206H	.308"	2.800"	43.0	2,478 fps	43,200 CUP	45.5	2,649 fps	51,000 CUP
	AR2208	.308"	2.800"	44.0	2,522 fps	43,300 CUP	47.0C	2,675 fps	50,300 CUP
155 GR. SIE HPBT	AR2219	.308"	2.775"	38.0	2,283 fps	42,400 CUP	41.0	2,520 fps	49,400 CUP
	Bench Mark 2	.308"	2.775"	39.0	2,271 fps	41,900 CUP	43.0	2,549 fps	50,200 CUP
	D 1 1 1 2000	.308"	2.775"	41.0	2,362 fps	47,300 PSI	45.3	2,650 fps	60,900 PSI
	Bench Mark 8208	.000							
	AR2206H	.308"	2.775"	43.0	2,476 fps	42,000 CUP	46.0	2,668 fps	49,700 CUP
			2.775" 2.775"	43.0 44.0	2,476 fps 2,502 fps	42,000 CUP 41,300 CUP	46.0 47.0C	2,668 fps 2,680 fps	49,700 CUP 49,400 CUP
165 GR. HDY SP	AR2206H	.308"				•		,	•

				Case: V	Vinchester		Barrel le	ength: 15"	
308 Winchester				Twist: 1	:12"		Trim len	gth: 2.005"	
ooo wiiionestei				Primer:	Federal 210N	1		-	
					Start loa			Maximum I	nads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
Ballot	AR2206H	.308"	2.750"	41.0	2,341 fps	38,600 CUP	43.5	2,497 fps	50,000 CUP
	AR2208	.308"	2.750"	42.0	2,384 fps	40,800 CUP	46.0C	2,576 fps	50,500 CUP
168 GR. SIE HPBT	Bench Mark 2	.308"	2.800"	38.0	2,247 fps	38,100 CUP	42.0	2,463 fps	49,300 CUP
	Bench Mark 8208	.308"	2.800"	39.0	2,235 fps	49,000 PSI	43.3	2,521 fps	61,500 PSI
	AR2206H	.308"	2.800"	41.0	2,312 fps	38,300 CUP	43.5	2,484 fps	49,500 CUP
	AR2208	.308"	2.800"	42.0	2,386 fps	41,200 CUP	46.0C	2,580 fps	50,600 CUP
175 GR. SIE HPBT	Bench Mark 2	.308"	2.800"	38.0	2,231 fps	40,100 CUP	41.5	2,415 fps	50,800 CUP
170 GIC GILTII DI	Bench Mark 8208	.308"	2.800"	39.0	2,232 fps	52,200 PSI	42.5	2,456 fps	61,800 PSI
	AR2206H	.308"	2.800"	40.0	2,274 fps	39,100 CUP	42.7	2,422 fps	49,000 CUP
	AR2208	.308"	2.800"	42.0	2,274 lps 2,370 fps	42,600 CUP	45.0C	2,539 fps	48,600 CUP
180 GR. SPR SP	Bench Mark 2	.308"	2.800"			40.700 CUP	ļ.		
100 GR. 3FR 3F	Bench Mark 8208	.308"	2.800"	38.0 36.0	2,200 fps	51,600 PSI	41.3	2,361 fps 2,264 fps	50,800 CUP 60,100 PSI
					2,082 fps				
	AR2206H	.308"	2.800"	40.0	2,237 fps	41,200 CUP	42.5	2,359 fps	49,700 CUP
	AR2208	.308"	2.800"	41.0	2,274 fps	41,200 CUP	45.0C	2,480 fps	49,600 CUP
				Case: V	Vinchester		Barrel le	ength: 15"	
30-06 Springfield				Twist: 1	:10"		Trim len	igth: 2.484"	
				Primer:	Winchester L	R			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
110 GR. HDY SP	AR2206H	.308"	3.170"	51.0	2,792 fps	39,000 CUP	57.0	2,978 fps	49,300 CUP
	AR2208	.308"	3.170"	55.0	2,774 fps	44,400 CUP	59.0	2,910 fps	48,500 CUP
125 GR. SIE SP	AR2206H	.308"	3.150"	48.0	2,680 fps	41,400 CUP	53.7	2,892 fps	49,300 CUP
	AR2208	.308"	3.150"	54.0	2,731 fps	45,500 CUP	57.2	2,820 fps	49,500 CUP
130 GR. SPR HP	AR2206H	.308"	3.060"	48.0	2,673 fps	38,600 CUP	53.1	2,838 fps	46,100 CUP
ioo ora or ittii	AR2208	.308"	3.060"	49.0	2,542 fps	41,300 CUP	53.5	2,690 fps	48,400 CUP
150 GR. NOS BT	AR2206H	.308"	3.250"	46.0	2,503 fps	44,400 CUP	51.0	2,721 fps	48,500 CUP
ioo ora noo bi	AR2208	.308"	3.250"	47.0	2,442 fps	42,600 CUP		_	50,000 CUP
	AR2209	.308"	3.250"	56.0	2,440 fps	37,100 CUP	62.0C	2,704 fps	48,400 CUP
155 GR. SIE HPBT	AR2206H	.308"	3.225"	46.0	2,428 fps	41,200 CUP	51.0	2,692 fps	45,600 CUP
100 OIC OIL III DI	AR2208	.308"	3.225"	48.0	2,445 fps	44,600 CUP	50.7	2,558 fps	48,800 CUP
	AR2209	.308"	3.225"	56.0	2,392 fps	36,000 CUP	62.0C	2,647 fps	47,500 CUP
165 GR. SIE SPBT	AR2206H	.308"	3.300"	43.0	2,360 fps	41,100 CUP	47.5	2,521 fps	49,000 CUP
100 GR. SIE SPB1	AR2208	.308"	3.300"	47.0	2,384 fps	44,500 CUP	50.5	2,534 fps	49,700 CUP
					•	,			49,700 CUP
168 GR. HDY HPBT	AR2209	.308"	3.300"	53.0	2,355 fps 2,356 fps	38,400 CUP	59.0	2,562 fps	
IOU GR. HUT REDI	AR2206H AR2208	.308"	3.230" 3.230"	43.0 47.0	2,389 fps	41,200 CUP 42,700 CUP	47.5 50.5	2,529 fps 2,526 fps	50,000 CUP 49,200 CUP
		.308"					l		
175 CD SIE UDDT	AR2209	.308"	3.230"	55.0	2,374 fps	40,400 CUP	59.0	2,525 fps	48,100 CUP
175 GR. SIE HPBT	AR2206H		3.300"	43.8	2,295 fps	44,100 CUP	46.7	2,440 fps	49,000 CUP
	AR2208	.308"	3.300"	45.0	2,315 fps	41,700 CUP	48.0	2,437 fps	49,000 CUP
	AR2209	.308"	3.300"	55.0	2,422 fps	42,100 CUP	59.0	2,600 fps	48,700 CUP
400 OD OF OCC	AR2213SC	.308"	3.300"	57.0	2,341 fps	38,300 CUP	61.5C	2,488 fps	44,400 CUP
180 GR. SIE SPBT	AR2206H	.308"	3.300"	41.0	2,200 fps	38,100 CUP	46.0	2,421 fps	48,800 CUP
	AR2208	.308"	3.300"	44.0	2,226 fps	41,900 CUP	47.0	2,342 fps	50,000 CUP
	AR2209	.308"	3.300"	52.0	2,288 fps	37,800 CUP	57.5	2,480 fps	49,300 CUP
	AR2213SC	.308"	3.300"	54.0	2,132 fps	34,700 CUP	60.0	2,332 fps	44,300 CUP

				Case: V	Vinchester		Barrel le	ength: 15"	
30-06 Springfield				Twist: 1	1:10"		Trim ler	ngth: 2.484"	
oo oo opgo.u.				Primer:	Winchester L	R			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
190 GR. HDY SPBT	AR2206H	.308"	3.220"	41.0	2,208 fps	41,400 CUP	45.5	2,376 fps	48,000 CUP
	AR2208	.308"	3.220"	43.5	2,197 fps	41,800 CUP	46.5	2,314 fps	49,700 CUP
	AR2209	.308"	3.220"	51.0	2,201 fps	39,500 CUP	56.5	2,433 fps	49,200 CUP
	AR2213SC	.308"	3.220"	57.0	2,223 fps	44,100 CUP	61.0C	2,393 fps	50,000 CUP
200 GR. NOS AB	AR2206H	.308"	3.300"	41.0	2,158 fps	43,700 CUP	44.0	2,268 fps	49,500 CUP
	AR2208	.308"	3.300"	42.0	2,144 fps	41,900 CUP	47.0	2,315 fps	49,100 CUP
	AR2209	.308"	3.300"	50.0	2,185 fps	40,400 CUP	53.7	2,358 fps	48,400 CUP
	AR2213SC	.308"	3.300"	55.0	2,220 fps	42,100 CUP	59.0C	2,372 fps	49,300 CUP
	AR2217	.308"	3.300"	57.0	2,062 fps	35,800 CUP	61.0C	2,222 fps	42,200 CUP
200 GR. SPR SP	AR2206H	.308"	3.230"	39.0	2,059 fps	40,700 CUP	43.5	2,262 fps	49,200 CUP
	AR2208	.308"	3.230"	42.5	2,136 fps	44,700 CUP	45.5	2,258 fps	49,600 CUP
	AR2209	.308"	3.230"	50.0	2,234 fps	44,500 CUP	53.0	2,334 fps	49,100 CUP
	AR2213SC	.308"	3.230"	54.0	2,163 fps	43,200 CUP	57.5C	2,269 fps	49,400 CUP
	AR2217	.308"	3.230"	55.0	2,050 fps	33,600 CUP	61.0C	2,261 fps	44.400 CUP
220 GR. HDY JRN	AR2208	.308"	3.230"	42.0	2,041 fps	44,000 CUP	45.0	2,166 fps	49,400 CUP
	AR2209	.308"	3.230"	50.0	2,146 fps	43,400 CUP	53.0	2,254 fps	49,200 CUP
	AR2213SC	.308"	3.230"	54.0	2,041 fps	43,300 CUP	57.5C	2,156 fps	48,600 CUP
	AR2217	.308"	3.230"	58.0	2,055 fps	36,500 CUP	61.0C	2,172 fps	43,600 CUP
250 GR. BAR JRN	AR2209	.308"	3.200"	45.0	1,941 fps	43,000 CUP	47.5	2,031 fps	48,400 CUP
	AR2213SC	.308"	3.200"	50.0	1,897 fps	43,900 CUP	52.5C	2,009 fps	49,600 CUP
	AR2217	.308"	3.200"	55.0	1,920 fps	43,600 CUP	58.0C	2,019 fps	49,500 CUP
				Coos: V	Vinchester		Porrel le	ength: 4"	
				Twist: 1				•	
32 ACP							i nim ier	igth: 0.675"	
				Primer:	Federal 100N	/	1		
			_		Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
71 GR. SIE FMJ	AS30N	.312"	0.978"	1.5	745 fps	11,700 CUP	1.7	830 fps	15,000 CUP
	AP70N	.312"	0.978"	2.2	781 fps	11,600 CUP	2.4	881 fps	14,900 CUP
				Case: V	Vinchester		Barrel le	ength: 4"	
32 Smith & Wesson	1			Twist: 1	1:18.75"		Trim ler	igth: 0.600"	
02 0 0. 110000	•			Primer:	Winchester S	iP			
					Start loa			Maximum I	nads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
85 GR. CAST LRN	AS30N	.314"	0.930"	-	-	-	1.2	600 fps	-
	AP50N	.314"	0.930"	_	-	_	1.4	650 fps	-
	AP70N	.314"	0.930"	_		_	1.8	730 fps	-
	AFTUN	.314	0.930	_			1.0	730 lps	

				1					
					Remington			ength: 5.32"	
32 S&W Long				Twist: 1	:18.75"		Trim ler	igth: 0.915"	
				Primer:	CCI 500				
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
83 GR. BERB HBWC	AP70N	.314"	0.920"	2.2	592 fps	7,000 CUP	2.7	798 fps	10,500 CUP
85 GR. HDY JHP	AP70N	.312"	1.160"	2.7	705 fps	8,000 CUP	3.0	865 fps	12,000 CUP
90 GR. HDY LSWC	Trail Boss	.314"	1.185"	1.5	599 fps	5,900 CUP	2.9	730 fps	8,100 CUP
	AP70N	.314"	1.185"	2.4	777 fps	8,800 CUP	2.7	844 fps	10,200 CUP
90 GR. SIE JHC	AP70N	.312"	1.170"	2.6	676 fps	7,500 CUP	2.9	838 fps	11,200 CUP
98 GR. SPR LHBWC	AP70N	.314"	0.920"	1.9	675 fps	6,100 CUP	2.2	830 fps	11,000 CUP
				Case: C	Corbon		Barrel le	ength: 2.5"	
32 North American	Δrme			Twist: 1	:16"			ngth: 0.670"	
oz Norui Americani	Aillis			Primer:	Winchester S	P			
				1 11111011				Marrimoruma I	
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Start loa Velocity	Pressure	Grs.	Maximum I Velocity	Pressure
60 GR. SPR GDHP	AS30N	.312"	0.930"	2.3	960 fps	15.700 PSI	2.6	1,053 fps	21,800 PSI
O OK OF KODIE	AP70N	.312"	0.930"	3.8	1,068 fps	15,700 PSI	4.1	1,000 lps	20,200 PSI
71 GR. HDY FMJ/RN	AS30N	.311"	0.930"	2.2	895 fps	18,200 PSI	2.4	946 fps	22,000 PSI
71 OR TIEST TWO TAX	AP70N	.311"	0.940"	3.4	985 fps	16,400 PSI	3.8	1,087 fps	21,200 PSI
	7 11 7014	.011	0.010		•	10,1001 01		, ,	21,2001 01
				Case: F				ength: 5"	
32 H&R Magnum				Twist: 1	:16"		Trim ler	igth: 1.070"	
				Primer:	Federal 100				
NOTE: See Single Action I	Diatal agation for more leads	with load builto							
INDIE. OCC ORIGINACION	risioi section noi more loads	with lead bullets.							
NOTE: See Single Actions	ristoi sectioi noi more idaus	with lead bullets.			Start loa	ds		Maximum l	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Start loa	ds Pressure	Grs.	Maximum l	oads Pressure
	1	1	C.O.L. 1.290"	Grs . 4.0		1	Grs. 4.3		ı
Bullet	Powder	Bullet Diam.			Velocity	Pressure		Velocity	Pressure
Bullet	Powder AP70N	Bullet Diam.	1.290"	4.0	Velocity 1,090 fps	Pressure 18,400 CUP	4.3	Velocity 1,123 fps	Pressure 19,000 CUP
Bullet 85 GR. HDY HP	Powder AP70N AR2205	Bullet Diam. .312" .312"	1.290" 1.290"	4.0	Velocity 1,090 fps 989 fps	Pressure 18,400 CUP 19,300 CUP	4.3 9.5	Velocity 1,123 fps 1,151 fps	Pressure 19,000 CUP 21,000 CUP
Bullet 85 GR. HDY HP	Powder AP70N AR2205 AP70N	Bullet Diam. .312" .312" .312"	1.290" 1.290" 1.340"	4.0 8.5 3.7	Velocity 1,090 fps 989 fps 1,008 fps	Pressure 18,400 CUP 19,300 CUP 16,900 CUP	4.3 9.5 4.0	Velocity 1,123 fps 1,151 fps 1,072 fps	Pressure 19,000 CUP 21,000 CUP 20,000 CUP
Bullet 85 GR. HDY HP 90 GR. SIE JHP	Powder AP70N AR2205 AP70N AR2205	Bullet Diam312" .312" .312" .312"	1.290" 1.290" 1.340" 1.340"	4.0 8.5 3.7 9.5	Velocity 1,090 fps 989 fps 1,008 fps 1,042 fps	Pressure 18,400 CUP 19,300 CUP 16,900 CUP 15,000 CUP	4.3 9.5 4.0 10.0	Velocity 1,123 fps 1,151 fps 1,072 fps 1,079 fps	Pressure 19,000 CUP 21,000 CUP 20,000 CUP 17,000 CUP
Bullet 85 GR. HDY HP 90 GR. SIE JHP	Powder AP70N AR2205 AP70N AR2205 AP70N AR270N	Bullet Diam312" .312" .312" .312" .312"	1.290" 1.290" 1.340" 1.340" 1.345"	4.0 8.5 3.7 9.5 3.3 9.0	Velocity 1,090 fps 989 fps 1,008 fps 1,042 fps 847 fps 980 fps	Pressure 18,400 CUP 19,300 CUP 16,900 CUP 15,000 CUP 14,300 CUP	4.3 9.5 4.0 10.0 3.7 10.0	Velocity 1,123 fps 1,151 fps 1,072 fps 1,079 fps 973 fps 1,060 fps	Pressure 19,000 CUP 21,000 CUP 20,000 CUP 17,000 CUP 19,900 CUP
Bullet 85 GR. HDY HP 90 GR. SIE JHP 100 GR. SPR JHP	Powder AP70N AR2205 AP70N AR2205 AP70N AR2205 AP70N AR2205	Bullet Diam312" .312" .312" .312" .312"	1.290" 1.290" 1.340" 1.340" 1.345"	4.0 8.5 3.7 9.5 3.3 9.0 Case: F	Velocity 1,090 fps 989 fps 1,008 fps 1,042 fps 847 fps 980 fps	Pressure 18,400 CUP 19,300 CUP 16,900 CUP 15,000 CUP 14,300 CUP	4.3 9.5 4.0 10.0 3.7 10.0	Velocity 1,123 fps 1,151 fps 1,072 fps 1,079 fps 973 fps 1,060 fps	Pressure 19,000 CUP 21,000 CUP 20,000 CUP 17,000 CUP 19,900 CUP
Bullet 85 GR. HDY HP 90 GR. SIE JHP	Powder AP70N AR2205 AP70N AR2205 AP70N AR2205 AP70N AR2205	Bullet Diam312" .312" .312" .312" .312"	1.290" 1.290" 1.340" 1.340" 1.345"	4.0 8.5 3.7 9.5 3.3 9.0 Case: F Twist: 1	Velocity 1,090 fps 989 fps 1,008 fps 1,042 fps 847 fps 980 fps ederal :16"	Pressure 18,400 CUP 19,300 CUP 16,900 CUP 15,000 CUP 14,300 CUP	4.3 9.5 4.0 10.0 3.7 10.0	Velocity 1,123 fps 1,151 fps 1,072 fps 1,079 fps 973 fps 1,060 fps	Pressure 19,000 CUP 21,000 CUP 20,000 CUP 17,000 CUP 19,900 CUP
Bullet 85 GR. HDY HP 90 GR. SIE JHP 100 GR. SPR JHP	Powder AP70N AR2205 AP70N AR2205 AP70N AR2205 AP70N AR2205	Bullet Diam312" .312" .312" .312" .312"	1.290" 1.290" 1.340" 1.340" 1.345"	4.0 8.5 3.7 9.5 3.3 9.0 Case: F Twist: 1	Velocity 1,090 fps 989 fps 1,008 fps 1,042 fps 847 fps 980 fps ederal :16" Federal 200	Pressure 18,400 CUP 19,300 CUP 16,900 CUP 15,000 CUP 14,300 CUP 15,700 CUP	4.3 9.5 4.0 10.0 3.7 10.0 Barrel le	Velocity 1,123 fps 1,151 fps 1,072 fps 1,079 fps 973 fps 1,060 fps ength: 5" ugth: 1.200"	Pressure 19,000 CUP 21,000 CUP 20,000 CUP 17,000 CUP 19,900 CUP 19,300 CUP
Bullet 85 GR. HDY HP 90 GR. SIE JHP 100 GR. SPR JHP 327 Federal Magnus	Powder AP70N AR2205 AP70N AR2205 AP70N AR2205	Bullet Diam. .312" .312" .312" .312" .312" .312"	1.290" 1.290" 1.340" 1.345" 1.345"	4.0 8.5 3.7 9.5 3.3 9.0 Case: F Twist: 1 Primer:	Velocity 1,090 fps 989 fps 1,008 fps 1,042 fps 847 fps 980 fps ederal :16" Federal 200 Start loar	Pressure 18,400 CUP 19,300 CUP 16,900 CUP 15,000 CUP 14,300 CUP 15,700 CUP	4.3 9.5 4.0 10.0 3.7 10.0 Barrel le	Velocity 1,123 fps 1,151 fps 1,072 fps 1,079 fps 973 fps 1,060 fps ength: 5" ngth: 1,200"	Pressure 19,000 CUP 21,000 CUP 20,000 CUP 17,000 CUP 19,900 CUP 19,300 CUP
Bullet 85 GR. HDY HP 90 GR. SIE JHP 100 GR. SPR JHP 327 Federal Magnus Bullet	Powder AP70N AR2205 AP70N AR2205 AP70N AR2205 AP70N Powder	Bullet Diam. .312" .312" .312" .312" .312" .312" .312"	1.290" 1.290" 1.340" 1.345" 1.345"	4.0 8.5 3.7 9.5 3.3 9.0 Case: F Twist: 1 Primer:	Velocity 1,090 fps 989 fps 1,008 fps 1,042 fps 847 fps 980 fps ederal :16" Federal 200 Start load	Pressure 18,400 CUP 19,300 CUP 16,900 CUP 15,000 CUP 14,300 CUP 15,700 CUP	4.3 9.5 4.0 10.0 3.7 10.0 Barrel le Trim ler	Velocity 1,123 fps 1,151 fps 1,072 fps 1,079 fps 973 fps 1,060 fps ength: 5" egth: 1.200" Maximum I	Pressure 19,000 CUP 21,000 CUP 20,000 CUP 17,000 CUP 19,900 CUP 19,300 CUP
Bullet 85 GR. HDY HP 90 GR. SIE JHP 100 GR. SPR JHP 327 Federal Magnus	Powder AP70N AR2205 AP70N AR2205 AP70N AR2205 Powder AS30N	Bullet Diam. .312" .312" .312" .312" .312" .312" .312" .314"	1.290" 1.290" 1.340" 1.345" 1.345" C.O.L.	4.0 8.5 3.7 9.5 3.3 9.0 Case: F Twist: 1 Primer:	Velocity 1,090 fps 989 fps 1,008 fps 1,042 fps 847 fps 980 fps ederal :16" Federal 200 Start load Velocity 1,121 fps	Pressure 18,400 CUP 19,300 CUP 16,900 CUP 15,000 CUP 14,300 CUP 15,700 CUP ds Pressure 18,000 PSI	4.3 9.5 4.0 10.0 3.7 10.0 Barrel le Trim ler	Velocity 1,123 fps 1,151 fps 1,072 fps 1,079 fps 973 fps 1,060 fps ength: 5" egth: 1.200" Maximum I Velocity 1,297 fps	Pressure 19,000 CUP 21,000 CUP 20,000 CUP 17,000 CUP 19,900 CUP 19,300 CUP Oads Pressure 30,900 PSI
Bullet 85 GR. HDY HP 90 GR. SIE JHP 100 GR. SPR JHP 327 Federal Magnus Bullet	Powder AP70N AR2205 AP70N AR2205 AP70N AR2205 Powder AS30N Trail Boss	Bullet Diam. .312" .312" .312" .312" .312" .312" .312" .312" .314"	1.290" 1.340" 1.345" 1.345" 1.345" C.O.L. 1.460"	4.0 8.5 3.7 9.5 3.3 9.0 Case: F Twist: 1 Primer: Grs. 3.7 3.0	Velocity 1,090 fps 989 fps 1,008 fps 1,042 fps 847 fps 980 fps ederal :16" Federal 200 Start load Velocity 1,121 fps 919 fps	Pressure 18,400 CUP 19,300 CUP 16,900 CUP 15,000 CUP 14,300 CUP 15,700 CUP ds Pressure 18,000 PSI 12,300 PSI	4.3 9.5 4.0 10.0 3.7 10.0 Barrel le Trim ler Grs. 4.5 3.5	Velocity 1,123 fps 1,151 fps 1,072 fps 1,079 fps 973 fps 1,060 fps ength: 5" egth: 1.200" Maximum I Velocity 1,297 fps 1,024 fps	Pressure 19,000 CUP 21,000 CUP 20,000 CUP 17,000 CUP 19,900 CUP 19,300 CUP Poads Pressure 30,900 PSI 18,700 PSI
Bullet 85 GR. HDY HP 90 GR. SIE JHP 100 GR. SPR JHP 327 Federal Magnus Bullet 77 GR. CAST LFP	Powder AP70N AR2205 AP70N AR2205 AP70N AR2205 Powder AS30N Trail Boss AP70N	Bullet Diam. .312" .312" .312" .312" .312" .312" .312" .314" .314" .314"	1.290" 1.340" 1.345" 1.345" 1.345" 1.345" 1.460" 1.460"	4.0 8.5 3.7 9.5 3.3 9.0 Case: F Twist: 1 Primer: Grs. 3.7 3.0 4.9	Velocity 1,090 fps 989 fps 1,008 fps 1,042 fps 847 fps 980 fps ederal :16" Federal 200 Start load Velocity 1,121 fps 919 fps 1,190 fps	Pressure 18,400 CUP 19,300 CUP 16,900 CUP 15,000 CUP 14,300 CUP 15,700 CUP 15,700 CUP 12,700 PSI 15,700 PSI	4.3 9.5 4.0 10.0 3.7 10.0 Barrel le Trim ler Grs. 4.5 3.5 5.5	Velocity 1,123 fps 1,151 fps 1,079 fps 973 fps 1,060 fps ength: 5" egth: 1.200" Maximum I Velocity 1,297 fps 1,024 fps 1,357 fps	Pressure 19,000 CUP 21,000 CUP 20,000 CUP 17,000 CUP 19,900 CUP 19,300 CUP Oads Pressure 30,900 PSI 18,700 PSI 22,800 PSI
Bullet 85 GR. HDY HP 90 GR. SIE JHP 100 GR. SPR JHP 327 Federal Magnul Bullet 77 GR. CAST LFP	Powder AP70N AR2205 AP70N AR2205 AP70N AR2205 AP70N AR2205 M Powder AS30N Trail Boss AP70N AP70N AP70N	Bullet Diam. .312" .312" .312" .312" .312" .312" Bullet Diam314" .314" .314" .312"	1.290" 1.340" 1.340" 1.345" 1.345" C.O.L. 1.460" 1.460" 1.450"	4.0 8.5 3.7 9.5 3.3 9.0 Case: F Twist: 1 Primer: Grs. 3.7 3.0 4.9 5.3	Velocity 1,090 fps 989 fps 1,008 fps 1,042 fps 847 fps 980 fps ederal :16" Federal 200 Start load Velocity 1,121 fps 919 fps 1,190 fps 1,253 fps	Pressure 18,400 CUP 19,300 CUP 16,900 CUP 15,000 CUP 14,300 CUP 15,700 CUP 15,700 CUP 18,000 PSI 12,300 PSI 15,700 PSI 32,100 PSI	4.3 9.5 4.0 10.0 3.7 10.0 Barrel le Trim ler Grs. 4.5 3.5 5.5 6.0	Velocity 1,123 fps 1,151 fps 1,072 fps 1,079 fps 973 fps 1,060 fps ength: 5" ength: 1.200" Maximum I Velocity 1,297 fps 1,024 fps 1,357 fps 1,378 fps	Pressure 19,000 CUP 21,000 CUP 20,000 CUP 17,000 CUP 19,900 CUP 19,300 CUP Soads Pressure 30,900 PSI 18,700 PSI 22,800 PSI 38,700 PSI
Bullet 85 GR. HDY HP 90 GR. SIE JHP 100 GR. SPR JHP 327 Federal Magnus Bullet 77 GR. CAST LFP 85 GR. HDY XTP 90 GR. LHBWC	Powder AP70N AR2205 AP70N AR2205 AP70N AR2205 AP70N AR2205 M Powder AS30N Trail Boss AP70N AP70N AP30N AS30N	Bullet Diam. .312" .312" .312" .312" .312" .312" .314" .314" .314" .314" .314"	1.290" 1.340" 1.345" 1.345" 1.345" C.O.L. 1.460" 1.460" 1.450" 1.200"	4.0 8.5 3.7 9.5 3.3 9.0 Case: F Twist: 1 Primer: Grs. 3.7 3.0 4.9 5.3	Velocity 1,090 fps 989 fps 1,008 fps 1,042 fps 847 fps 980 fps ederal :16" Federal 200 Start load Velocity 1,121 fps 919 fps 1,190 fps 1,253 fps 792 fps	Pressure 18,400 CUP 19,300 CUP 16,900 CUP 15,000 CUP 14,300 CUP 15,700 CUP 15,700 CUP 15,700 CUP 15,700 CUP 15,700 CUP 15,700 PSI 15,700 PSI 17,800 PSI	4.3 9.5 4.0 10.0 3.7 10.0 Barrel le Trim ler Grs. 4.5 3.5 5.5 6.0 2.2	Velocity 1,123 fps 1,151 fps 1,072 fps 1,079 fps 973 fps 1,060 fps ength: 5" egth: 1.200" Maximum I Velocity 1,297 fps 1,024 fps 1,378 fps 856 fps	Pressure 19,000 CUP 21,000 CUP 20,000 CUP 17,000 CUP 19,900 CUP 19,300 CUP Pressure 30,900 PSI 22,800 PSI 38,700 PSI 20,600 PSI
Bullet 85 GR. HDY HP 90 GR. SIE JHP 100 GR. SPR JHP 327 Federal Magnul Bullet 77 GR. CAST LFP 85 GR. HDY XTP 90 GR. LHBWC 90 GR. CAST LRNFP	Powder AP70N AR2205 AP70N AR2205 AP70N AR2205 AP70N AR2205 M Powder AS30N Trail Boss AP70N AP70N AS30N AS30N AS30N	Bullet Diam. .312" .312" .312" .312" .312" .312" .314" .314" .314" .314" .314" .312"	1.290" 1.340" 1.345" 1.345" 1.345" 1.345" 1.460" 1.460" 1.460" 1.460" 1.460"	4.0 8.5 3.7 9.5 3.3 9.0 Case: F Twist: 1 Primer: Grs. 3.7 3.0 4.9 5.3 1.9	Velocity 1,090 fps 989 fps 1,008 fps 1,042 fps 847 fps 980 fps ederal :16" Federal 200 Start load Velocity 1,121 fps 919 fps 1,190 fps 1,253 fps 792 fps	## Pressure 18,400 CUP 19,300 CUP 16,900 CUP 15,000 CUP 14,300 CUP 15,700 CUP 15,700 CUP 15,700 CUP 18,000 PSI 12,300 PSI 17,800 PSI 26,400 PSI	4.3 9.5 4.0 10.0 3.7 10.0 Barrel le Trim ler Grs. 4.5 3.5 5.5 6.0 2.2 4.2	Velocity 1,123 fps 1,151 fps 1,079 fps 973 fps 1,060 fps ength: 5" egth: 1.200" Maximum I Velocity 1,297 fps 1,024 fps 1,357 fps 1,378 fps 856 fps 1,186 fps	Pressure 19,000 CUP 21,000 CUP 20,000 CUP 17,000 CUP 19,900 CUP 19,300 CUP 30,900 PSI 22,800 PSI 22,800 PSI 20,600 PSI 37,900 PSI
Bullet 85 GR. HDY HP 90 GR. SIE JHP 100 GR. SPR JHP 327 Federal Magnul Bullet 77 GR. CAST LFP 85 GR. HDY XTP 90 GR. LHBWC 90 GR. CAST LRNFP 90 GR. LHBWC	Powder AP70N AR2205 AP70N AR2205 AP70N AR2205 AP70N AR2205 M Powder AS30N Trail Boss AP70N AP70N AS30N AS30N AS30N AS30N AS30N	Bullet Diam. .312" .312" .312" .312" .312" .312" .314" .314" .314" .314" .314" .314" .314" .314"	1.290" 1.340" 1.340" 1.345" 1.345" 1.345" 1.460" 1.460" 1.460" 1.200"	4.0 8.5 3.7 9.5 3.3 9.0 Case: F Twist: 1 Primer: Grs. 3.7 3.0 4.9 5.3 1.9 3.5 2.4	Velocity 1,090 fps 989 fps 1,008 fps 1,042 fps 847 fps 980 fps ederal :16" Federal 200 Start load Velocity 1,121 fps 919 fps 1,253 fps 792 fps 1,065 fps 721 fps	## Pressure 18,400 CUP 19,300 CUP 16,900 CUP 15,000 CUP 14,300 CUP 15,700 CUP 15,700 CUP 15,700 CUP 15,700 PSI 12,300 PSI 17,800 PSI 26,400 PSI 9,100 PSI	4.3 9.5 4.0 10.0 3.7 10.0 Barrel le Trim ler Grs. 4.5 3.5 5.5 6.0 2.2 4.2 2.8	Velocity 1,123 fps 1,151 fps 1,072 fps 1,079 fps 973 fps 1,060 fps ength: 5" ength: 1.200" Maximum I Velocity 1,297 fps 1,357 fps 1,378 fps 856 fps 1,186 fps 869 fps	Pressure 19,000 CUP 21,000 CUP 17,000 CUP 19,900 CUP 19,300 CUP 30,900 PSI 22,800 PSI 20,600 PSI 37,900 PSI 12,500 PSI
Bullet 85 GR. HDY HP 90 GR. SIE JHP 100 GR. SPR JHP 327 Federal Magnul Bullet 77 GR. CAST LFP 85 GR. HDY XTP 90 GR. LHBWC 90 GR. CAST LRNFP	Powder AP70N AR2205 AP70N AR2205 AP70N AR2205 AP70N AR2205 M Powder AS30N Trail Boss AP70N AP70N AS30N AS30N AP70N Trail Boss	Bullet Diam. .312" .312" .312" .312" .312" .312" .312" .314" .314" .314" .314" .314" .314" .312" .314" .312"	1.290" 1.340" 1.345" 1.345" 1.345" 1.345" 1.460" 1.460" 1.460" 1.460" 1.460" 1.460"	4.0 8.5 3.7 9.5 3.3 9.0 Case: F Twist: 1 Primer: Grs. 3.7 3.0 4.9 5.3 1.9 3.5 2.4 2.7	Velocity 1,090 fps 989 fps 1,008 fps 1,042 fps 847 fps 980 fps ederal :16" Federal 200 Start load Velocity 1,121 fps 919 fps 1,190 fps 1,253 fps 792 fps 1,065 fps 789 fps	## Pressure 18,400 CUP 19,300 CUP 15,000 CUP 14,300 CUP 14,300 CUP 15,700 CUP 15,700 CUP 15,700 CUP 15,700 PSI 12,300 PSI 17,800 PSI 26,400 PSI 9,100 PSI 11,200 PSI	4.3 9.5 4.0 10.0 3.7 10.0 Barrel le Trim ler Grs. 4.5 3.5 5.5 6.0 2.2 4.2 2.8 3.2	Velocity 1,123 fps 1,151 fps 1,072 fps 1,079 fps 973 fps 1,060 fps 1,060 fps Pagth: 5" Maximum I Velocity 1,297 fps 1,024 fps 1,357 fps 1,378 fps 856 fps 1,186 fps 869 fps 890 fps	Pressure 19,000 CUP 21,000 CUP 17,000 CUP 19,900 CUP 19,300 CUP 19,300 CUP 19,300 CUP 20,600 PSI 20,600 PSI 12,500 PSI 14,800 PSI
Bullet 85 GR. HDY HP 90 GR. SIE JHP 100 GR. SPR JHP 327 Federal Magnus Bullet 77 GR. CAST LFP 85 GR. HDY XTP 90 GR. LHBWC 90 GR. CAST LRNFP 90 GR. LHBWC 90 GR. CAST LRNFP	Powder AP70N AR2205 AP70N AR2205 AP70N AR2205 AP70N AR2205 M Powder AS30N Trail Boss AP70N AS30N AS30N AP70N Trail Boss AP70N Trail Boss AP70N Trail Boss AP70N	Bullet Diam. .312" .312" .312" .312" .312" .312" .312" .314" .314" .314" .314" .312" .312" .312" .312"	1.290" 1.340" 1.345" 1.345" 1.345" 1.345" 1.460" 1.460" 1.460" 1.460" 1.460" 1.460" 1.460"	4.0 8.5 3.7 9.5 3.3 9.0 Case: F Twist: 1 Primer: Grs. 3.7 3.0 4.9 5.3 1.9 3.5 2.4 2.7 4.3	Velocity 1,090 fps 989 fps 1,008 fps 1,042 fps 847 fps 980 fps ederal :16" Federal 200 Start load Velocity 1,121 fps 919 fps 1,190 fps 1,253 fps 792 fps 1,065 fps 789 fps 1,090 fps	## Pressure 18,400 CUP 19,300 CUP 16,900 CUP 15,000 CUP 14,300 CUP 15,700 CUP 15,700 CUP 15,700 CUP 15,700 PSI 12,300 PSI 17,800 PSI 26,400 PSI 9,100 PSI 11,200 PSI 16,600 PSI	4.3 9.5 4.0 10.0 3.7 10.0 Barrel le Trim ler Grs. 4.5 3.5 5.5 6.0 2.2 4.2 2.8 3.2 5.2	Velocity 1,123 fps 1,151 fps 1,072 fps 1,079 fps 973 fps 1,060 fps ength: 5" ength: 1.200" Maximum I Velocity 1,297 fps 1,024 fps 1,357 fps 1,378 fps 856 fps 1,186 fps 890 fps 890 fps 1,274 fps	Pressure 19,000 CUP 21,000 CUP 20,000 CUP 17,000 CUP 19,900 CUP 19,300 CUP 19,300 CUP 20,600 PSI 20,600 PSI 20,600 PSI 12,500 PSI 14,800 PSI 27,800 PSI
Bullet 85 GR. HDY HP 90 GR. SIE JHP 100 GR. SPR JHP 327 Federal Magnul Bullet 77 GR. CAST LFP 85 GR. HDY XTP 90 GR. LHBWC 90 GR. CAST LRNFP 90 GR. LHBWC	Powder AP70N AR2205 AP70N AR2205 AP70N AR2205 AP70N AR2205 M Powder AS30N Trail Boss AP70N AP70N AS30N AS30N AP70N Trail Boss	Bullet Diam. .312" .312" .312" .312" .312" .312" .312" .314" .314" .314" .314" .314" .314" .312" .314" .312"	1.290" 1.340" 1.345" 1.345" 1.345" 1.345" 1.460" 1.460" 1.460" 1.460" 1.460" 1.460"	4.0 8.5 3.7 9.5 3.3 9.0 Case: F Twist: 1 Primer: Grs. 3.7 3.0 4.9 5.3 1.9 3.5 2.4 2.7	Velocity 1,090 fps 989 fps 1,008 fps 1,042 fps 847 fps 980 fps ederal :16" Federal 200 Start load Velocity 1,121 fps 919 fps 1,190 fps 1,253 fps 792 fps 1,065 fps 789 fps	## Pressure 18,400 CUP 19,300 CUP 15,000 CUP 14,300 CUP 14,300 CUP 15,700 CUP 15,700 CUP 15,700 CUP 15,700 PSI 12,300 PSI 17,800 PSI 26,400 PSI 9,100 PSI 11,200 PSI	4.3 9.5 4.0 10.0 3.7 10.0 Barrel le Trim ler Grs. 4.5 3.5 5.5 6.0 2.2 4.2 2.8 3.2	Velocity 1,123 fps 1,151 fps 1,072 fps 1,079 fps 973 fps 1,060 fps 1,060 fps Pagth: 5" Maximum I Velocity 1,297 fps 1,024 fps 1,357 fps 1,378 fps 856 fps 1,186 fps 869 fps 890 fps	Pressure 19,000 CUP 21,000 CUP 17,000 CUP 19,900 CUP 19,300 CUP 19,300 CUP 30,900 PSI 22,800 PSI 22,800 PSI 20,600 PSI 12,500 PSI 14,800 PSI

								4 51		
				Case: F				ength: 5"		
327 Federal Magnu	m			Twist: 1			i rim ier	ngth: 1.200"		
				Primer:	Federal 200		I			
		Γ			Start loa	1	_	Maximum I		
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure	
115 GR. MEI LRNFP	AS30N	.312"	1.460"	3.0	913 fps	26,600 PSI	3.7	1,017 fps	39,500 PSI	
	Trail Boss	.312"	1.460"	2.5	733 fps	15,200 PSI	3.0	804 fps	19,600 PSI	
	AP70N	.312"	1.460"	4.2	1,059 fps	25,200 PSI	5.0	1,184 fps	40,200 PSI	
				Case: R	Remington		Barrel length: 3.75"			
380 Auto (9mm Kui	rz)			Twist: 1	1:16"		Trim ler	ngth: 0.675"		
				Primer:	CCI 500					
				Start loads			Maximum loads			
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure	
90 GR.	AP50N	-	-	-	-	-	3.0	800 fps	-	
90 GR. HDY JHP	AP70N	.355"	0.955"	3.2	815 fps	10,700 CUP	3.6	955 fps	15,700 CUP	
90 GR.	AP100	-	-	-	-	-	5.1	850 fps	-	
95 GR. SPR FMJ	AP70N	.355"	0.970"	3.1	814 fps	12,500 CUP	3.5	901 fps	15,500 CUP	
100 GR.	AP50N	-	-	-	-	-	2.8	725 fps	-	
100 GR. HDY FMJ	AP70N	.355"	0.980"	3.0	721 fps	11,400 CUP	3.4	889 fps	16,100 CUP	
100 GR.	AP100	-	-	-	-	-	4.7	775 fps	-	
115 GR.	AP50N	-	-	-	-	-	2.3	725 fps	-	
	AP100	-	-	-	_	_	4.4	750 fps	_	
				Case: S	Starline		Barrel le	ength: 7.5"		
38 Short Colt				Case: S				ength: 7.5"		
38 Short Colt				Twist: 1		1				
38 Short Colt				Twist: 1	1:16" Federal 100M			ength: 7.5" ngth: 0.755"		
38 Short Colt	Powder	Bullet Diam.	C.O.L.	Twist: 1	Federal 100M			ength: 7.5" ngth: 0.755" Maximum I		
			_	Twist: 1 Primer: Grs.	Federal 100M Start load Velocity	ds Pressure	Trim ler	ength: 7.5" ngth: 0.755" Maximum I Velocity	oads Pressure	
Bullet	AS30N	Bullet Diam359" .359"	C.O.L. 1.005" 1.005"	Twist: 1 Primer:	Federal 100M Start load Velocity 634 fps	ds	Trim ler	ength: 7.5" ngth: 0.755" Maximum I Velocity 778 fps	oads	
Bullet		.359"	1.005"	Twist: 1 Primer: Grs. 1.8	Federal 100M Start load Velocity	ds Pressure	Grs.	ength: 7.5" ngth: 0.755" Maximum I Velocity	oads Pressure	
Bullet	AS30N Trail Boss	.359"	1.005" 1.005"	Twist: 1 Primer: Grs. 1.8 1.7	Federal 100M Start load Velocity 634 fps 575 fps 634 fps	Pressure 7,000 CUP	Grs. 2.1 2.0	Maximum I Velocity 778 fps 674 fps 775 fps	oads Pressure 7,300 CUP	
Bullet 93 GR. AA206 LRN	AS30N Trail Boss AP70N	.359" .359" .359"	1.005" 1.005" 1.005"	Twist: 1 Primer: Grs. 1.8 1.7 2.9	Federal 100M Start loa: Velocity 634 fps 575 fps	Pressure 7,000 CUP	Grs. 2.1 2.0 3.4	Maximum I Velocity 778 fps 674 fps	oads Pressure 7,300 CUP	
Bullet 93 GR. AA206 LRN	AS30N Trail Boss AP70N AS30N	.359" .359" .359" .358"	1.005" 1.005" 1.005" 1.135"	Twist: 1 Primer: Grs. 1.8 1.7 2.9 1.8	E:16" Federal 100N Start load Velocity 634 fps 575 fps 634 fps 634 fps	Pressure 7,000 CUP	Grs. 2.1 2.0 3.4 2.1	maximum I Velocity 778 fps 674 fps 731 fps	oads Pressure 7,300 CUP	
Bullet 93 GR. AA206 LRN	AS30N Trail Boss AP70N AS30N Trail Boss	.359" .359" .359" .358"	1.005" 1.005" 1.005" 1.135" 1.135"	Twist: 1 Primer: Grs. 1.8 1.7 2.9 1.8 1.5 2.4	E:16" Federal 100M Start load Velocity 634 fps 575 fps 634 fps 648 fps 490 fps 624 fps	Pressure 7,000 CUP	Grs. 2.1 2.0 3.4 2.1 1.7 2.8	maximum I Velocity 778 fps 674 fps 775 fps 731 fps 526 fps 771 fps	oads Pressure 7,300 CUP	
Bullet 93 GR. AA206 LRN 135 GR. AA202 LFP	AS30N Trail Boss AP70N AS30N Trail Boss	.359" .359" .359" .358"	1.005" 1.005" 1.005" 1.135" 1.135"	Twist: 1 Primer: Grs. 1.8 1.7 2.9 1.8 1.5 2.4 Case: S	E:16" Federal 100M Start loa: Velocity 634 fps 575 fps 634 fps 648 fps 490 fps 624 fps	Pressure 7,000 CUP	Grs. 2.1 2.0 3.4 2.1 1.7 2.8 Barrel k	maximum I Velocity 778 fps 674 fps 775 fps 731 fps 526 fps 771 fps ength: 7.5"	oads Pressure 7,300 CUP	
Bullet 93 GR. AA206 LRN	AS30N Trail Boss AP70N AS30N Trail Boss	.359" .359" .359" .358"	1.005" 1.005" 1.005" 1.135" 1.135"	Twist: 1 Primer: Grs. 1.8 1.7 2.9 1.8 1.5 2.4 Case: S Twist: 1	E:16" Federal 100M Start load Velocity 634 fps 575 fps 634 fps 648 fps 490 fps 624 fps Starline E:16"	Pressure 7,000 CUP	Grs. 2.1 2.0 3.4 2.1 1.7 2.8 Barrel k	maximum I Velocity 778 fps 674 fps 775 fps 731 fps 526 fps 771 fps	oads Pressure 7,300 CUP	
Bullet 93 GR. AA206 LRN 135 GR. AA202 LFP	AS30N Trail Boss AP70N AS30N Trail Boss	.359" .359" .359" .358"	1.005" 1.005" 1.005" 1.135" 1.135"	Twist: 1 Primer: Grs. 1.8 1.7 2.9 1.8 1.5 2.4 Case: S Twist: 1	E:16" Federal 100M Start loa: Velocity 634 fps 575 fps 634 fps 648 fps 490 fps 624 fps Starline E:16" Federal 100M	Pressure 7,000 CUP - - - -	Grs. 2.1 2.0 3.4 2.1 1.7 2.8 Barrel k	Maximum I Velocity 778 fps 674 fps 775 fps 731 fps 526 fps 771 fps ength: 7.5" agth: 1.012"	oads Pressure 7,300 CUP	
Bullet 93 GR. AA206 LRN 135 GR. AA202 LFP 38 Long Colt	AS30N Trail Boss AP70N AS30N Trail Boss AP70N	.359" .359" .359" .358" .358"	1.005" 1.005" 1.005" 1.135" 1.135" 1.135"	Twist: 1 Primer: Grs. 1.8 1.7 2.9 1.8 1.5 2.4 Case: S Twist: 1 Primer:	Federal 100M Start load Velocity 634 fps 575 fps 634 fps 648 fps 490 fps 624 fps Startine 1:16" Federal 100M Start load	Pressure 7,000 CUP	Grs. 2.1 2.0 3.4 2.1 1.7 2.8 Barrel le	maximum I Velocity 778 fps 674 fps 775 fps 731 fps 526 fps 771 fps ength: 7.5" agth: 1.012" Maximum I	oads Pressure 7,300 CUP oads	
Bullet 93 GR. AA206 LRN 135 GR. AA202 LFP 38 Long Colt Bullet	AS30N Trail Boss AP70N AS30N Trail Boss AP70N Powder	.359" .359" .359" .358" .358" .358"	1.005" 1.005" 1.005" 1.135" 1.135" 1.135"	Twist: 1 Primer: Grs. 1.8 1.7 2.9 1.8 1.5 2.4 Case: S Twist: 1 Primer: Grs.	Etart loan Start loan Velocity 634 fps 575 fps 634 fps 648 fps 490 fps 624 fps Startine 1:16" Federal 100M Start loan Velocity	Pressure 7,000 CUP dds Pressure	Grs. 2.1 2.0 3.4 2.1 1.7 2.8 Barrel le Trim ler Grs.	maximum I Velocity 778 fps 674 fps 775 fps 731 fps 526 fps 771 fps ength: 7.5" agth: 1.012" Maximum I Velocity	oads Pressure 7,300 CUP	
Bullet 93 GR. AA206 LRN 135 GR. AA202 LFP 38 Long Colt	AS30N Trail Boss AP70N AS30N Trail Boss AP70N Powder AS30N	.359" .359" .358" .358" .358" Bullet Diam358"	1.005" 1.005" 1.005" 1.135" 1.135" 1.135"	Twist: 1 Primer: Grs. 1.8 1.7 2.9 1.8 1.5 2.4 Case: S Twist: 1 Primer: Grs. 2.0	Federal 100M Start Ioa Velocity 634 fps 575 fps 634 fps 648 fps 490 fps 624 fps Startine 1:16" Federal 100M Start Ioa Velocity 631 fps	Pressure 7,000 CUP ds Pressure 7	Grs. 2.1 2.0 3.4 2.1 1.7 2.8 Barrel & Trim ler	Maximum I Velocity 778 fps 674 fps 775 fps 731 fps 526 fps 771 fps ength: 7.5" Maximum I Velocity 765 fps	oads Pressure 7,300 CUP	
Bullet 93 GR. AA206 LRN 135 GR. AA202 LFP 38 Long Colt Bullet	AS30N Trail Boss AP70N AS30N Trail Boss AP70N Powder AS30N Trail Boss	.359" .359" .359" .358" .358" .358" Bullet Diam358"	1.005" 1.005" 1.005" 1.135" 1.135" 1.135" C.O.L. 1.400"	Twist: 1 Primer: Grs. 1.8 1.7 2.9 1.8 1.5 2.4 Case: S Twist: 1 Primer: Grs. 2.0 2.0	E:16" Federal 100N Start loa Velocity 634 fps 575 fps 634 fps 648 fps 490 fps 624 fps Etarline E:16" Federal 100N Start loa Velocity 631 fps 622 fps	ds Pressure 7,000 CUP	Grs. 2.1 2.0 3.4 2.1 1.7 2.8 Barrel le Trim ler Grs. 2.5 2.4	maximum I Velocity 778 fps 674 fps 775 fps 731 fps 526 fps 771 fps ength: 1.012" Maximum I Velocity 765 fps 705 fps	oads Pressure 7,300 CUP	
Bullet 93 GR. AA206 LRN 135 GR. AA202 LFP 38 Long Colt Bullet 125 GR. LRN	AS30N Trail Boss AP70N AS30N Trail Boss AP70N Powder AS30N Trail Boss AP70N	.359" .359" .359" .358" .358" .358" Bullet Diam358" .358"	1.005" 1.005" 1.005" 1.135" 1.135" 1.135" 1.1400" 1.400"	Twist: 1 Primer: Grs. 1.8 1.7 2.9 1.8 1.5 2.4 Case: S Twist: 1 Primer: Grs. 2.0 2.0 3.2	E:16" Federal 100N Start loa Velocity 634 fps 575 fps 634 fps 648 fps 490 fps 624 fps Etarline Etarline 1:16" Federal 100N Start loa Velocity 631 fps 622 fps 626 fps	Pressure 7,000 CUP ds Pressure 7	Grs. 2.1 2.0 3.4 2.1 1.7 2.8 Barrel le Trim ler Grs. 2.5 2.4 3.7	maximum I Velocity 778 fps 674 fps 775 fps 731 fps 526 fps 771 fps ength: 7.5" gth: 1.012" Maximum I Velocity 765 fps 772 fps	oads Pressure 7,300 CUP	
Bullet 93 GR. AA206 LRN 135 GR. AA202 LFP 38 Long Colt Bullet	AS30N Trail Boss AP70N AS30N Trail Boss AP70N Powder AS30N Trail Boss AP70N AS30N AS30N AS30N	.359" .359" .359" .358" .358" .358" Bullet Diam358" .358" .358"	1.005" 1.005" 1.005" 1.135" 1.135" 1.135" 1.1400" 1.400" 1.400" 1.390"	Twist: 1 Primer: Grs. 1.8 1.7 2.9 1.8 1.5 2.4 Case: S Twist: 1 Primer: Grs. 2.0 2.0 3.2 2.0	E:16" Federal 100N Start load Velocity 634 fps 575 fps 634 fps 648 fps 490 fps 624 fps Etarline E:16" Federal 100N Start load Velocity 631 fps 622 fps 624 fps	ds Pressure 7,000 CUP ds Pressure	Grs. 2.1 2.0 3.4 2.1 1.7 2.8 Barrel & Trim ler Grs. 2.5 2.4 3.7 2.6	mgth: 7.5" Maximum I Velocity 778 fps 674 fps 775 fps 731 fps 526 fps 771 fps maximum I Velocity Maximum I Velocity 765 fps 772 fps 744 fps	oads Pressure 7,300 CUP	
Bullet 93 GR. AA206 LRN 135 GR. AA202 LFP 38 Long Colt Bullet 125 GR. LRN	AS30N Trail Boss AP70N AS30N Trail Boss AP70N Powder AS30N Trail Boss AP70N	.359" .359" .359" .358" .358" .358" Bullet Diam358" .358"	1.005" 1.005" 1.005" 1.135" 1.135" 1.135" 1.1400" 1.400"	Twist: 1 Primer: Grs. 1.8 1.7 2.9 1.8 1.5 2.4 Case: S Twist: 1 Primer: Grs. 2.0 2.0 3.2	E:16" Federal 100N Start loa Velocity 634 fps 575 fps 634 fps 648 fps 490 fps 624 fps Etarline Etarline 1:16" Federal 100N Start loa Velocity 631 fps 622 fps 626 fps	ds Pressure 7,000 CUP	Grs. 2.1 2.0 3.4 2.1 1.7 2.8 Barrel le Trim ler Grs. 2.5 2.4 3.7	maximum I Velocity 778 fps 674 fps 775 fps 731 fps 526 fps 771 fps ength: 7.5" gth: 1.012" Maximum I Velocity 765 fps 772 fps	oads Pressure 7,300 CUP	

				Case: V	/inchester		Barrel le	ength: 4"	
9mm Luger				Twist: 1	:10"		Trim ler	ngth: 0.750"	
				Primer:	CCI 500				
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
80 GR. BAR TAC-XP	AP70N	.355"	1.025"	3.7	1,156 fps	31,400 PSI	3.9	1,166 fps	31,500 PSI
90 GR. SPR GDHP	AP70N	.355"	1.010"	5.0	1,170 fps	25,700 CUP	5.5	1,266 fps	30,100 CUP
95 GR. SIE FMJ	AP70N	.355"	1.020"	4.6	1,182 fps	26,800 CUP	5.2	1,292 fps	31,700 CUP
100 GR. SFIRE	AP70N	.355"	1.140"	3.8	1,057 fps	21,700 PSI	4.2	1,169 fps	30,700 PSI
100 GR. SPR FMJ	AP70N	.355"	1.050"	4.8	1,119 fps	27,200 CUP	5.3	1,212 fps	31,500 CUP
115 GR. LRN	AS30N	.356"	1.100"	3.0	954 fps	25,300 CUP	3.4	1,039 fps	31,000 CUP
	AP50N	.356"	1.169"	3.0	920 fps	14,900 PSI	4.0	1,110 fps	34,300 PSI
	AP70N	.356"	1.100"	4.0	1,034 fps	24,400 CUP	4.5	1,124 fps	31,300 CUP
	AP100	.356"	1.169"	5.5	1,055 fps	18,100 PSI	6.8	1,285 fps	33,900 PSI
115 GR. SPR GDHP	AS30N	.355"	1.125"	3.7	1,066 fps	30,900 CUP	3.9	1,095 fps	32,600 CUP
	AP70N	.355"	1.125"	4.5	1,029 fps	27,400 CUP	5.0	1,149 fps	31,200 CUP
120 GR. CAST LRN	AP50N	.355"	1.113"	3.0	970 fps	26,500 PSI	3.5	1,075 fps	34,800 PSI
	AP100	.355"	1.113"	5.0	1,000 fps	23,000 PSI	6.0	1,180 fps	33,200 PSI
125 GR. LCN	AS30N	.356"	1.125"	2.9	899 fps	22,700 CUP	3.3	993 fps	30,900 CUP
	AP70N	.356"	1.125"	3.8	993 fps	24,400 CUP	4.3	1,096 fps	31,300 CUP
125 GR. CAST LCN	AP50N	.355"	1.114"	2.5	835 fps	19,500 PSI	3.2	1,000 fps	32,500 PSI
	AP100	.355"	1.114"	5.0	890 fps	17,300 PSI	6.2	1,135 fps	33,500 PSI
125 GR. SIE FMJ	AS30N	.355"	1.090"	3.5	1,010 fps	28,000 CUP	3.7	1,056 fps	32,500 CUP
	AP70N	.355"	1.090"	4.3	1,031 fps	26,900 CUP	4.9	1,118 fps	30,600 CUP
125 GR. HDY HAP	AP70N	.355"	1.069"	3.0	803 fps	26,800 PSI	3.3	892 fps	32,200 PSI
130 GR. BERB RN	AS30N	.356"	1.150"	2.7	755 fps	27,400 PSI	3.0	853 fps	31,700 PSI
	AP70N	.356"	1.150"	3.8	857 fps	26,600 PSI	4.2	978 fps	31,500 PSI
135 GR. CAST LRN	AP50N	.355"	1.168"	2.3	710 fps	13,100 PSI	3.3	955 fps	34,100 PSI
	AP100	.355"	1.168"	5.2	970 fps	25,100 PSI	6.0	1,100 fps	34,100 PSI
147 GR. HDY XTP	AP70N	.355"	1.100"	3.0	803 fps	24,100 CUP	3.3	869 fps	31,000 CUP
				Case:			Barrel le	ength: 3.75"	
38 ACP				Twist: -			Trim ler	•	
30 ACP				Primer:				·9•··	
				Primer.	0441		I		
Dullet	Douglas	Dullet Diego	661	C	Start loa	1	C	Maximum I	ı
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
90 GR. LEAD	AP70N	-	-	-	-	-	3.6	955 fps	-
95 GR. LEAD	AP70N	-	-	-	-	-	3.5	900 fps	-
100 GR. LEAD	AP70N	-	-	-	-	-	3.4	890 fps	-

				Case: R	Remington		Barrel le	ength: 5"	
38 Super Auto				Twist: 1	:16"		Trim ler	ngth: 0.895"	
•				Primer:	Remington 1	1/2			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
90 GR. SIE JHP	AP70N	.355"	1.180"	5.7	1,312 fps	26,200 CUP	6.3	1,352 fps	31,600 CUP
100 GR. SPR JHP	AP70N	.355"	1.215"	5.4	1,233 fps	25,200 CUP	6.0	1,327 fps	32,500 CUP
115 GR. CAST LRN	AS30N	.356"	1.250"	4.0	1,046 fps	28,600 CUP	4.6	1,104 fps	31,600 CUP
115 GR. CAST LRN*	AP50N	.356"	1.205"	-	-	-	4.8	1,190 fps	36,200 PSI
115 GR. CAST LRN	AP70N	.356"	1.250"	5.0	1,115 fps	21,900 CUP	5.7	1,216 fps	31,900 CUP
115 GR. CAST LRN*	AP100	.356"	1.205"	6.0	1,010 fps	19,600 PSI	8.0	1,425 fps	34,500 PSI
115 GR. HDY XTP	AP70N	.355"	1.245"	4.9	1,141 fps	25,300 CUP	5.5	1,225 fps	32,300 CUP
125 GR. CAST LCN	AS30N	.356"	1.230"	3.9	1,014 fps	27,300 CUP	4.4	1,063 fps	31,600 CUP
125 GR. CAST LCN*	AP50N	.355"	1.363"	4.0	1,046 fps	28,900 PSI	4.5	1,128 fps	36,500 PSI
125 GR. CAST LCN	AP70N	.356"	1.230"	4.7	1,110 fps	25,200 CUP	5.3	1,171 fps	32,300 CUP
125 GR. CAST LCN*	AP100	.355"	1.363"	7.0	1,260 fps	23,200 PSI	8.0	1,415 fps	36,500 PSI
125 GR. SIE FMJ	AP70N	.355"	1.275"	4.9	1,069 fps	27,600 CUP	5.5	1,179 fps	32,300 CUP
130 GR. BERB RN	AP70N	.355"	1.270"	4.4	984 fps	23,000 CUP	4.9	1,073 fps	30,500 CUP
135 GR. CAST LRN	AS30N	.356"	1.275"	3.5	928 fps	25,600 CUP	4.2	998 fps	32,500 CUP
135 GR. CAST LRN*	AP50N	.355"	1.256"	3.5	925 fps	21,600 PSI	4.4	1,070 fps	36,400 PSI
135 GR. CAST LRN	AP70N	.356"	1.275"	4.5	1,011 fps	22,800 CUP	5.1	1,108 fps	30,900 CUP
135 GR. CAST LRN*	AP100	.355"	1.256"	6.0	1,055 fps	23,800 PSI	7.5	1,325 fps	36,300 PSI
147 GR. HDY XTP	AP70N	.355"	1.260"	4.3	960 fps	26,900 CUP	4.8	1,017 fps	32,500 CUP

150 GR. SIE JFP * Winchester case

150 GR. CAST LRN

38 Smith & Wesson

AP70N

AP70N

Case: Winchester

4.5

4.4

Twist: 1:18.75"

1,038 fps

984 fps

Barrel length: 4" Trim length: 0.765"

1,111 fps

1,059 fps

5.0

4.9

32,000 CUP

32,100 CUP

Primer: Winchester SP

27,600 CUP

26,600 CUP

				VVII IOI ICOICI C	•			
			Start loads			Maximum loads		
Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
AP50N	-	-	-	-	-	3.5	1,000 fps	-
AP70N	-	-	-	-	-	4.1	1,000 fps	-
AP50N	-	-	-	-	-	3.4	950 fps	-
AP70N	-	-	-	-	-	4.0	950 fps	-
AP50N	-	-	-	-	-	2.9	750 fps	-
AP70N	-	-	-	-	-	3.4	750 fps	-
AP100	-	-	-	-	-	4.3	750 fps	-
AP50N	-	-	-	-	-	2.8	700 fps	-
AP70N	-	-	-	-	-	3.3	700 fps	•
AP100	-	-	-	-	-	4.1	700 fps	-
	AP50N AP70N AP50N AP70N AP50N AP70N AP70N AP70N AP100 AP50N AP70N	AP50N - AP70N - AP50N - AP50N - AP50N - AP50N - AP70N - AP70N - AP70N - AP70N - AP100 - AP50N - AP50N -	AP50N	Powder Bullet Diam. C.O.L. Grs.	Powder Bullet Diam. C.O.L. Grs. Velocity	Powder Bullet Diam. C.O.L. Grs. Velocity Pressure AP50N - - - - - AP70N - - - - - AP50N - - - - - AP50N - - - - - AP70N - - - - - AP50N - - - - - AP50N - - - - - AP70N - - - - -	Start loads Powder Bullet Diam. C.O.L. Grs. Velocity Pressure Grs.	Start loads Maximum

1.230"

1.265"

.356"

.356"

38 Special

Case: Winchester

Barrel length: 7.7" Trim length: 1.145"

Twist: 1:18.75"

Primer: Winchester SP

 $\textbf{NOTE:} \ \text{See Single Action Pistol section for more loads with lead bullets}.$

					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
110 GR. HDY XTP	AS30N	.357"	1.455"	4.0	1,002 fps	14,400 CUP	4.2	1,073 fps	17,000 CUP
	AP70N	.357"	1.455"	5.0	968 fps	11,800 CUP	5.6	1,143 fps	16,700 CUP
125 GR. CAST LRN	AP50N	.356"	1.270"	4.0	905 fps	7,900 PSI	5.0	1,130 fps	11,100 PSI
125 GR. HDY XTP	AS30N	.357"	1.455"	3.5	843 fps	12,400 CUP	3.9	937 fps	16,100 CUP
	AP70N	.357"	1.455"	4.7	918 fps	12,600 CUP	5.2	1,019 fps	17,000 CUP
135 GR. CAST LWC*	AP50N	.358"	1.278"	2.8	645 fps	9,450 PSI	3.5	845 fps	16,900 PSI
	AP70N	.358"	1.278"	3.5	575 fps	8,200 PSI	4.7	940 fps	17,000 PSI
138 GR. CAST LWC*	AP50N	.357"	1.280"	3.0	710 fps	10,100 PSI	3.5	835 fps	17,500 PSI
140 GR. HDY XTP	AS30N	.357"	1.455"	3.0	703 fps	13,400 CUP	3.7	869 fps	16,700 CUP
	AP70N	.357"	1.455"	4.3	832 fps	12,400 CUP	4.8	939 fps	15,400 CUP
146 GR. SPR JHP	AP70N	.357"	1.370"	4.0	788 fps	11,100 CUP	4.5	933 fps	16,100 CUP
	AR2205	.357"	1.370"	9.6	908 fps	12,600 CUP	10.7	979 fps	15,700 CUP
148 GR. CAST LWC*	AP50N	.358"	1.293"	2.8	650 fps	10,100 PSI	3.2	755 fps	13,000 PSI
	AP70N	.358"	1.293"	3.5	585 fps	8,800 PSI	4.5	845 fps	14,700 PSI
148 GR. HDY LHBWC	AS30N	.358"	1.160"	2.3	784 fps	10,900 CUP	2.5	836 fps	13,200 CUP
	Trail Boss	.358"	1.160"	2.0	625 fps	15,100 PSI	2.3	675 fps	15,700 PSI
	AP70N	.358"	1.160"	2.9	709 fps	7,400 CUP	3.8	940 fps	15,600 CUP
158 GR. CAST LSWC *	AP50N	.358"	1.470"	3.2	660 fps	8,200 PSI	3.8	800 fps	16,600 PSI
	AP70N	.358"	1.470"	4.2	645 fps	7,300 PSI	5.0	865 fps	16,300 PSI
158 GR. CAST LSWC	AR2205	.358"	1.475"	9.0	887 fps	12,100 CUP	10.0	983 fps	15,700 CUP
158 GR. HDY XTP	AS30N	.357"	1.455"	3.0	633 fps	13,400 CUP	3.1	721 fps	16,600 CUP
	AP70N	.357"	1.455"	4.0	678 fps	12,600 CUP	4.4	778 fps	16,200 CUP
	AR2205	.357"	1.455"	9.0	769 fps	12,400 CUP	10.0	864 fps	15,500 CUP
170 GR. SIE JHC	AP70N	.357"	1.450"	3.8	744 fps	14,100 CUP	4.2	823 fps	16,100 CUP
	AR2205	.357"	1.450"	8.8	762 fps	12,900 CUP	9.8	888 fps	15,900 CUP

* 4" Vented Barrel

38 Special +P

Case: Winchester Twist: 1:18.75"

Barrel length: 7.7" Trim length: 1.145"

Primer: Winchester SP

WARNING: 38 Special +P Loads are for use in modern arms (not aluminium frame) in good condition.

				Start loads			Maximum loads		
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
110 GR. HDY XTP	AP70N	.357"	1.455"	-	-	-	6.0	1,204 fps	18,700 CUP
125 GR. HDY XTP	AP70N	.357"	1.455"	-	-	-	5.4	1,072 fps	18,900 CUP
140 GR. HDY XTP	AP70N	.357"	1.455"	-	-	1	5.1	1,022 fps	19,100 CUP
	AR2205	.357"	1.455"	-	-	1	12.4	1,121 fps	19,400 CUP
146 GR. SPR JHP	AP70N	.357"	1.370"	-	-	1	4.7	987 fps	18,100 CUP
	AR2205	.357"	1.370"	-	-	1	12.0	1,085 fps	18,400 CUP
158 GR. HDY XTP	AP70N	.357"	1.455"	-	-	1	4.7	837 fps	19,200 CUP
	AR2205	.357"	1.455"	-	-	1	11.0	964 fps	17,600 CUP
170 GR. SIE JHC	AP70N	.357"	1.450"	-	-	•	4.3	847 fps	18,600 CUP
	AR2205	.357"	1.450"	-	-	1	10.6	950 fps	17,600 CUP

Twist: 1:16" 357 SIG

Case: Federal Barrel length: 4" Trim length: 0.860"

Primer: Winchester SP

Start loads Maximum loads C.O.L. **Bullet** Powder Bullet Diam. Grs. Velocity **Pressure** Grs. Velocity **Pressure** AP70N 90 GR. HDY XTP .355" 1.135" 7.2 1,428 fps 27,000 PSI 8.1 1,578 fps 36,900 PSI 115 GR. HDY XTP AP70N .355" 31,600 PSI 39,200 PSI 1.135" 6.5 1,272 fps 7.3 1,375 fps 124 GR. HDY XTP AP70N .355" 1.135" 5.2 1,134 fps 27,500 PSI 5.8 1,235 fps 38,500 PSI 147 GR. HDY XTP AP70N .355" 1.140" 5.0 1,026 fps 29,200 PSI 5.6 1,110 fps 38,600 PSI

357 Magnum

Case: Winchester Twist: 1:18.75"

Barrel length: 10" Trim length: 1.285"

Primer: Winchester SPM

NOTE: See Single Action Pistol section for more loads with lead bullets.

					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
110 GR. HDY XTP	AP70N	.357"	1.590"	7.5	1,465 fps	35,100 CUP	8.0	1,536 fps	40,000 CUP
	AR2205	.357"	1.590"	18.9	1,774 fps	29,600 CUP	21.0	1,900 fps	35,500 CUP
125 GR. HDY XTP	AP70N	.357"	1.590"	7.1	1,394 fps	34,900 CUP	7.6	1,453 fps	39,600 CUP
125 GR. HDY XTP *	AP100	.357"	1.590"	-	-	-	10.3	1,270 fps	33,200 PSI
125 GR. HDY XTP	AR2205	.357"	1.590"	18.0	1,692 fps	34,400 CUP	20.0	1,839 fps	42,000 CUP
138 GR. CAST LWC *	AP50N	.357"	1.420"	4.0	855 fps	13,700 PSI	5.0	1,050 fps	33,700 PSI
140 GR. HDY XTP	AP70N	.357"	1.590"	6.5	1,218 fps	34,800 CUP	7.0	1,299 fps	40,200 CUP
140 GR. HDY FTX	AP70N	.357"	1.600"	4.0	922 fps	19,700 PSI	5.3	1,205 fps	34,200 PSI
140 GR. HDY XTP	AR2205	.357"	1.590"	16.2	1,541 fps	33,100 CUP	18.0	1,685 fps	42,600 CUP
146 GR. SPR JHP	AP70N	.357"	1.535"	6.0	1,160 fps	33,500 CUP	6.5	1,261 fps	39,900 CUP
	AR2205	.357"	1.535"	14.5	1,440 fps	34,300 CUP	16.0	1,566 fps	42,700 CUP
148 GR. CAST LWC *	AP50N	.358"	1.410"	4.0	835 fps	12,700 PSI	5.0	1,005 fps	28,500 PSI
148 GR. HDY LHBWC	AP70N	.358"	1.290"	3.5	880 fps	13,700 CUP	4.0	989 fps	17,700 CUP
150 GR. CAST LSWC *	AP50N	.358"	1.615"	4.0	800 fps	13,300 PSI	5.0	960 fps	23,900 PSI
158 GR. HDY XTP	AP70N	.357"	1.580"	5.8	1,026 fps	32,100 CUP	6.3	1,133 fps	39,300 CUP
158 GR. HDY XTP *	AP100	.357"	1.593"	8.7	1,065 fps	28,200 PSI	9.0	1,075 fps	34,100 PSI
158 GR. HDY XTP	AR2205	.357"	1.580"	14.5	1,402 fps	34,600 CUP	16.0	1,520 fps	42,600 CUP
170 GR. SIE JHC	AR2205	.357"	1.580"	13.0	1,272 fps	32,300 CUP	14.5	1,395 fps	41,200 CUP
180 GR. SPR TMJ *	AP100	.357"	1.700"	7.0	770 fps	16,400 PSI	8.2	965 fps	34,200 PSI
180 GR. NOS PART	AR2205	.357"	1.575"	12.7	1,247 fps	36,900 CUP	13.7	1,308 fps	40,900 CUP

^{* 4&}quot; Vented Barrel

110 GR. HDY JHP

125 GR. SIE JSP

140 GR. SPR JHP

150 GR. NOS SP

158 GR. HDY XTP

Bullet

357-44 Bain & Davis

Powder

AR2205

AR2205

AR2205

AR2205

AR2205

Case: Federal Twist: 1:14" Primer: Federal 150

Grs.

23.0

22.0

21.0

20.0

19.0

C.O.L.

1.580"

1.580"

1.580"

1.580"

1.580"

Bullet Diam.

.357"

.357"

.357"

.357"

.357"

Start loads

Velocity

1,680 fps

1,564 fps

1,514 fps

1,434 fps

1,367 fps

Barrel length: 10" Trim length: 1.270"

Maximum loads **Pressure** Grs. Velocity Pressure 24.0 1,750 fps 23.0 1,627 fps 1,596 fps 22.0 21.0 1,557 fps

1,440 fps

69

20.0

				Case: R	Remington		Barrel le	ength: 10"	
357 Remington Ma	ximum			Twist: 1	:18.75"		Trim ler	igth: 1.600"	
oo. Romington ma				Primer: Remington 7 1/2					
					Start loa			Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
110 GR. HDY XTP	AR2205	.357"	1.910"	26.0	2,120 fps	-	28.0	2,314 fps	-
125 GR. SPR JSP	AR2205	.357"	1.885"	25.0	1,968 fps	-	27.0	2,126 fps	-
140 GR. SPR JHP	AR2205	.357"	1.890"	22.0	1,866 fps	-	24.0	1,985 fps	-
150 GR. NOS SP	AR2205	.357"	1.890"	21.0	1,788 fps	-	23.0	1,923 fps	-
160 GR. HDY JTC SIL	AR2205	.357"	1.890"	20.5	1,709 fps	-	22.5	1,814 fps	-
170 GR. SIE JHC	AR2205	.357"	1.880"	19.0	1,638 fps	-	21.0	1,748 fps	-
180 GR. SPR TMJ SIL	AR2205	.357"	1.990"	18.0	1,551 fps	-	20.0	1,645 fps	-
200 GR. SPR TMJ SIL	AR2205	.357"	1.990"	16.0	1,280 fps	-	18.0	1,440 fps	-
								•	
					Remington			ength: 14"	
35 Remington				Twist: 1			ı rım ier	ngth: 1.910"	
				Primer:	Remington 9	1/2			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
180 GR. SPR FN	AR2207	.358"	2.470"	28.0	1,794 fps	28,600 CUP	32.0	1,977 fps	33,000 CUP
	AR2219	.358"	2.470"	31.0	1,730 fps	28,200 CUP	35.0	1,915 fps	33,100 CUP
	Bench Mark 2	.358"	2.470"	32.5	1,697 fps	29,300 CUP	35.5	1,932 fps	32,300 CUP
	AR2206H	.358"	2.470"	35.0	1,812 fps	27,500 CUP	39.0	2,031 fps	33,100 CUP
	AR2208	.358"	2.470"	37.0	1,795 fps	27,200 CUP	40.5	1,998 fps	32,500 CUP
200 GR. HDY RN	AR2207	.358"	2.510"	27.0	1,525 fps	26,700 CUP	30.5	1,680 fps	31,700 CUP
	AR2219	.358"	2.510"	31.0	1,567 fps	28,500 CUP	33.8	1,670 fps	33,100 CUP
	Bench Mark 2	.358"	2.510"	32.5	1,551 fps	29,400 CUP	35.5	1,766 fps	32,600 CUP
	AR2206H	.358"	2.510"	35.0	1,613 fps	26,100 CUP	38.5	1,772 fps	32,300 CUP
	AR2208	.358"	2.510"	36.0	1,651 fps	28,800 CUP	39.5	1,797 fps	33,300 CUP
220 GR. SPR FN	AR2207	.358"	2.470"	26.0	1,500 fps	30,400 CUP	29.0	1,606 fps	33,400 CUP
	AR2219	.358"	2.470"	29.0	1,455 fps	26,100 CUP	32.5	1,608 fps	32,600 CUP
	Bench Mark 2	.358"	2.470"	31.0	1,484 fps	30,600 CUP	34.0	1,697 fps	33,300 CUP
	AR2206H	.358"	2.470"	33.0	1,589 fps	29,000 CUP	36.3	1,729 fps	33,600 CUP
	AR2208	.358"	2.470"	34.0	1,550 fps	27,800 CUP	38.0	1,718 fps	33,300 CUP
				Case: \/	Vinchester		Barrella	ength: 4"	
0 v 10mm Makers				Twist: 1				ngth: 0.708"	
9 x 18mm Makarov					Winchester S	D		0.700	
				rimer:				84	
D. II 4	T			<u> </u>	Start loa	1	Maximum loads		
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
90 GR. SPR FP	AP70N	.364"	0.970"	3.5	885 fps	17,900 PSI	3.9	1,022 fps	23,000 PSI
95 GR. HDY XTP	AP70N	.364"	0.965"	3.6	923 fps	20,100 PSI	4.0	1,030 fps	23,800 PSI

375 Super Mag

AR2205

Case: Starline Twist: 1:18.75" Barrel length: 8"

220 GR. HDY FP

Primer: Federal 150

Trim length: 1.590"

			Start loads Maximum				Maximum I	oads	
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure

.375"

2.080"

375 JDJ

Case: Remington (reformed) Twist: 1:12"

1,232 fps

Barrel length: 14"

1,314 fps

21.0

18.0

Trim length: 2.230"

Primer: Federal 210M

						•			
				Start loa	ds	Maximum loads			
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
200 GR. SIE FP	AR2219	.375"	2.750"	45.0	1,811 fps	-	50.0	2,077 fps	-
	AR2206H	.375"	2.750"	47.0	1,971 fps	-	52.0	2,147 fps	
220 GR. HDY FP	AR2207	.375"	2.750"	39.0	1,904 fps	-	44.0	2,115 fps	-
	AR2206H	.375"	2.750"	46.0	1,966 fps	-	51.0	2,214 fps	1
270 GR. HDY SP	AR2219	.375"	2.975"	40.0	1,612 fps	-	45.0	1,849 fps	
	AR2206H	.375"	2.975"	43.0	1,660 fps	-	48.0	1,954 fps	1
300 GR. HDY RN	AR2219	.375"	2.970"	37.0	1,539 fps	-	42.0	1,773 fps	-
	AR2206H	.375"	2.970"	41.0	1,684 fps	-	46.0	1,951 fps	

40 Smith & Wesson

Case: Homady

Barrel length: 4"

Twist: 1:16"

Primer: Winchester SP

Trim length: 0.845"

WARNING: This data is intended for use in firearms with barrels that fully support the cartridge in the chamber. Use of this data in firearms that do not fully support the cartridge may result in bulged cases, ruptured cases, case head separation or other condition that could cause damage to the firearm and/or injury to the shooter and/or bystanders.

					Start load	ls		Maximum lo	ads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
125 GR. SFIRE	AP70N	.400"	1.120"	4.7	1,059 fps	23,500 PSI	5.3	1,172 fps	32,300 PSI
135 GR. NOS JHP	AS30N	.400"	1.125"	4.0	940 fps	22,600 PSI	4.5	1,071 fps	32,900 PSI
	AP70N	.400"	1.125"	6.2	1,109 fps	22,000 PSI	6.8	1,250 fps	32,000 PSI
140 GR. CAST LRN *	AP50N	.401"	1.075"	3.5	905 fps	17,900 PSI	4.7	1,110 fps	34,800 PSI
	AP70N	.401"	1.075"	4.5	920 fps	16,500 PSI	5.9	1,205 fps	34,900 PSI
140 GR. BAR TAC-XP	AS30N	.400"	1.135"	2.6	713 fps	24,800 PSI	3.0	783 fps	31,900 PSI
	AP70N	.400"	1.135"	4.3	958 fps	23,100 PSI	4.8	1,070 fps	31,200 PSI
150 GR. NOS JHP	AS30N	.400"	1.125"	3.8	923 fps	28,400 PSI	4.0	960 fps	31,700 PSI
	AP70N	.400"	1.125"	5.4	1,066 fps	25,700 PSI	5.9	1,165 fps	32,900 PSI
155 GR. CAST LRN †	AP50N	.401"	1.100"	4.0	915 fps	20,000 PSI	4.6	1,015 fps	33,600 PSI
	AP70N	.401"	1.100"	5.0	970 fps	19,200 PSI	5.6	1,100 fps	33,500 PSI
	AP100	.401"	1.100"	7.5	1,080 fps	25,700 PSI	8.1	1,180 fps	34,000 PSI
155 GR. BERB FP	AS30N	.400"	1.125"	3.7	879 fps	23,500 PSI	4.1	959 fps	31,300 PSI
	AP70N	.400"	1.125"	5.5	1,049 fps	26,000 PSI	6.0	1,145 fps	33,500 PSI
155 GR. HDY XTP	AS30N	.400"	1.125"	3.6	854 fps	23,300 PSI	4.0	942 fps	30,900 PSI
	AP70N	.400"	1.125"	5.7	1,056 fps	23,900 PSI	6.2	1,138 fps	31,800 PSI
165 GR. BERB FP	AS30N	.400"	1.125"	3.4	829 fps	27,500 PSI	3.7	888 fps	32,000 PSI
	AP70N	.400"	1.125"	4.8	951 fps	24,200 PSI	5.4	1,051 fps	30,500 PSI
165 GR. SIE JHP	AS30N	.400"	1.125"	3.5	851 fps	29,900 PSI	3.9	897 fps	33,300 PSI
	AP70N	.400"	1.125"	5.1	976 fps	26,800 PSI	5.6	1,061 fps	32,900 PSI
170 GR. TAIPAN LRN	AP50N	.401"	1.100"	3.3	790 fps	17,600 PSI	3.8	895 fps	31,900 PSI
†	AP70N	.401"	1.100"	4.0	850 fps	17,000 PSI	4.8	1,005 fps	35,000 PSI

40 Smith & Wesson

Case: Hornady Twist: 1:16" Barrel length: 4"

Trim length: 0.845"

Primer: Winchester SP

WARNING: This data is intended for use in firearms with barrels that fully support the cartridge in the chamber. Use of this data in firearms that do not fully support the cartridge may result in bulged cases, ruptured cases, case head separation or other condition that could cause damage to the firearm and/or injury to the shooter and/or bystanders.

					Start load	ds		oads	
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
	AP100	.401"	1.100"	6.0	920 fps	22,450 PSI	6.8	1,060 fps	35,000 PSI
180 GR. BERB FP	AS30N	.400"	1.125"	3.0	732 fps	25,400 PSI	3.4	809 fps	32,100 PSI
180 GR. CAST LCN *	AP50N	.401"	1.097"	2.8	775 fps	20,500 PSI	3.4	885 fps	31,900 PSI
	AP70N	.401"	1.097"	3.5	790 fps	18,600 PSI	4.5	985 fps	35,000 PSI
180 GR. BERB FP	AP70N	.400"	1.125"	4.6	925 fps	28,300 PSI	5.1	1,002 fps	33,100 PSI
180 GR. CAST LCN *	AP100	.401"	1.097"	5.0	820 fps	16,900 PSI	6.5	1,050 fps	34,900 PSI
180 GR. HDY XTP	AS30N	.400"	1.125"	3.0	727 fps	26,000 PSI	3.5	847 fps	34,300 PSI
	AP70N	.400"	1.125"	5.0	973 fps	26,500 PSI	5.8	1,046 fps	33,400 PSI
200 GR. HDY XTP	AP70N	.400"	1.125"	4.0	824 fps	25,000 PSI	4.7	903 fps	33,600 PSI

^{*} Winchester case

10mm Auto

Case: Winchester Twist: 1:16" Barrel length: 5"

Trim length: 0.987"

Primer: Winchester LP

				Start loads			Maximum loads			
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure	
135 GR. NOS JHP	AP70N	.400"	1.250"	7.0	1,284 fps	30,200 PSI	8.0	1,416 fps	36,100 PSI	
155 GR. HDY XTP	AP70N	.400"	1.260"	6.5	1,135 fps	22,600 PSI	7.5	1,279 fps	35,200 PSI	
180 GR. SIE JHC	AP70N	.400"	1.260"	5.4	965 fps	22,300 PSI	6.4	1,122 fps	32,200 PSI	
200 GR. HDY FMJ	AP70N	.400"	1.260"	4.9	846 fps	24,300 PSI	5.9	1,015 fps	36,900 PSI	

41 Action Express

Case:

Barrel length: 5"

Twist: 1:16"

Trim length: 0.861"

Primer:

Grs.	Maximum Velocity	1
Grs.	Volocity	
	Velocity	Pressure
6.3	1,125 fps	-
9.0	1,200 fps	-
6.5	1,025 fps	-
9.2	1,075 fps	-
4.9	1,000 fps	-
6.5	1,050 fps	-
5.1	900 fps	-
6.7	925 fps	-
4.4	875 fps	-
6.0	925 fps	-
	9.0 6.5 9.2 4.9 6.5 5.1 6.7 4.4	9.0 1,200 fps 6.5 1,025 fps 9.2 1,075 fps 4.9 1,000 fps 6.5 1,050 fps 5.1 900 fps 6.7 925 fps 4.4 875 fps

[†] Fiocchi case

41 Remington Magnum

Case: Remington
Twist: 1:18.75"

Barrel length: 10.125"
Trim length: 1.280"

Primer: Winchester LP

				_					
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
170 GR. SIE JHC	AP70N	.410"	1.575"	8.0	1,229 fps	21,600 CUP	10.3	1,488 fps	38,700 CUP
	AR2205	.410"	1.575"	22.5	1,582 fps	26,100 CUP	24.9	1,745 fps	35,600 CUP
200 GR. CAST LFP	AS30N	.410"	1.550"	4.0	854 fps	13,400 CUP	5.2	997 fps	21,200 CUP
210 GR. HDY XTP	AP70N	.410"	1.580"	6.9	971 fps	17,700 CUP	8.9	1,243 fps	37,700 CUP
	AR2205	.410"	1.580"	19.3	1,379 fps	28,000 CUP	21.5	1,518 fps	38,000 CUP
215 GR. CAST LFP	AS30N	.410"	1.585"	4.0	825 fps	24,600 CUP	5.2	979 fps	26,700 CUP
	Trail Boss	.410"	1.600"	4.5	752 fps	13,000 CUP	6.5	910 fps	17,100 CUP
220 GR. SPR JSP	AP70N	.410"	1.580"	6.5	921 fps	18,900 CUP	8.5	1,178 fps	38,600 CUP
	AR2205	.410"	1.580"	18.0	1,296 fps	29,700 CUP	20.0	1,433 fps	37,500 CUP
245 GR. CAST LSWC	Trail Boss	.410"	1.630"	3.5	683 fps	12,600 CUP	6.0	834 fps	16,100 CUP
	AP70N	.410"	1.630"	6.3	1,001 fps	21,200 CUP	8.0	1,164 fps	36,000 CUP
	AR2205	.410"	1.630"	18.0	1,272 fps	27,000 CUP	20.0	1,444 fps	37,700 CUP
250 GR. WFNGC	Trail Boss	.410"	1.540"	3.7	611 fps	14,600 CUP	5.0	748 fps	20,300 CUP
	AR2205	.410"	1.540"	17.0	1,302 fps	33,600 CUP	18.4	1,398 fps	39,700 CUP
255 GR. WFNGC	AR2205	.410"	1.660"	18.8	1,378 fps	33,900 CUP	20.0	1,446 fps	38,800 CUP
265 GR. WLNGC	AR2205	.410"	1.710"	18.6	1,366 fps	31,900 CUP	19.8	1,429 fps	35,700 CUP

44 Colt

Case: Starline Twist: 1:20" Barrel length: 8"
Trim length: 1.090"

Primer: Federal 150M

				Start loads			Maximum loads		
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
165 GR. LEAD RNFP	AS30N	.430"	1.310"	3.0	705 fps	6,600 CUP	4.2	944 fps	9,000 CUP
	Trail Boss	.430"	1.310"	3.3	698 fps	5,400 CUP	4.5	844 fps	9,700 CUP
185 GR. LEAD RNFP	AS30N	.430"	1.350"	3.0	692 fps	5,800 CUP	4.2	893 fps	9,600 CUP
	Trail Boss	.430"	1.350"	3.2	643 fps	5,600 CUP	4.0	751 fps	9,600 CUP
200 GR. LEAD RNFP	AS30N	.430"	1.370"	3.2	710 fps	6,100 CUP	3.9	831 fps	10,000 CUP
	Trail Boss	.430"	1.370"	3.0	595 fps	4,800 CUP	3.9	711 fps	9,300 CUP
	AP70N	.430"	1.370"	4.8	762 fps	6,100 CUP	5.7	927 fps	9,900 CUP
240 GR. LEAD RNFP	AS30N	.430"	1.380"	4.0	706 fps	6,800 CUP	4.7	818 fps	9,500 CUP
	Trail Boss	.430"	1.380"	3.0	563 fps	6,800 CUP	3.4	625 fps	9,000 CUP
	AP70N	.430"	1.380"	4.5	769 fps	6,400 CUP	5.2	870 fps	10,400 CUP

44 S&W Special

Case: Starline Twist: 1:20" Barrel length: 8"
Trim length: 1.155"

Primer: Winchester LP

NOTE: See Single Action Pistol section for more loads with lead bullets.

					Start load	ds	Maximum loads		
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
200 GR. NOS JHP	AP70N	.429"	1.460"	6.0	834 fps	9,000 CUP	6.8	967 fps	12,900 CUP
	AR2205	.429"	1.460"	13.0	848 fps	9,100 CUP	15.0	1,021 fps	13,100 CUP
220 GR. BERB FP	AS30N	.430"	1.460"	3.7	638 fps	7,800 CUP	4.4	774 fps	13,600 CUP
	Trail Boss	.430"	1.460"	4.0	633 fps	7,300 CUP	5.1	766 fps	12,800 CUP
	AP70N	.430"	1.460"	5.7	748 fps	8,700 CUP	6.5	918 fps	13,700 CUP

44 Remington Magnum

Case: Winchester

Barrel length: 8.275"

Twist: 1:20"

Trim length: 1.280"

Primer: Remington 2 1/2

NOTE: See Single Action Pistol section for more loads with lead bullets.

				Start loads			Maximum loads			
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure	
180 GR. HDY XTP	AP70N	.430"	1.600"	9.0	1,209 fps	19,000 CUP	11.3	1,463 fps	36,900 CUP	
200 GR. NOS JHP	AP70N	.429"	1.600"	10.0	1,303 fps	30,700 CUP	11.1	1,398 fps	38,300 CUP	
210 GR. SIE JHC	AP70N	.430"	1.600"	9.0	1,190 fps	26,000 CUP	11.0	1,365 fps	37,600 CUP	
220 GR. BERB FP	AP70N	.430"	1.610"	7.3	839 fps	12,200 PSI	9.0	1,104 fps	21,200 PSI	
225 GR. SPR JHP	AP70N	.429"	1.575"	8.0	1,041 fps	18,900 CUP	10.5	1,291 fps	37,300 CUP	
230 GR. CAST LSWC	AP100	.430"	1.614"	11.0	1,110 fps	18,600 PSI	13.5	1,370 fps	32,900 PSI	
240 GR. NOS JHP	AP70N	.429"	1.600"	8.0	1,018 fps	21,900 CUP	10.2	1,246 fps	38,200 CUP	
270 GR. SPR GDSP	AP70N	.429"	1.600"	8.5	1,049 fps	32,100 CUP	9.5	1,128 fps	36,700 CUP	
280 GR. SFT JHP	AP70N	.430"	1.700"	8.0	917 fps	27,400 CUP	9.7	1,090 fps	38,200 CUP	
300 GR. HDY XTP	AP70N	.430"	1.600"	8.0	972 fps	31,200 CUP	9.6	1,113 fps	38,200 CUP	
325 GR. BTB LFN GC	AP70N	.430"	1.730"	8.0	942 fps	27,700 CUP	10.0	1,090 fps	38,000 CUP	
330 GR. BTB LFN GC	AP70N	.430"	1.730"	8.0	943 fps	27,800 CUP	9.5	1,058 fps	37,000 CUP	
355 GR. BTB LFN GC	AP70N	.430"	1.710"	7.8	922 fps	30,700 CUP	8.8	991 fps	37,300 CUP	

44 Auto Mag

Case: Federal (reformed)

Barrel length: 6"

Twist: 1:18"

Trim length: 1.293"

Primer: CCI 350

					Start load	ds	Maximum loads		
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
180 GR. SIE JHC	AR2205	.430"	1.610"	25.0	1,316 fps	1	27.0	1,478 fps	-
200 GR. HDY XTP	AR2205	.430"	1.610"	25.0	1,379 fps	-	26.0	1,427 fps	-
225 GR. SPR JHP SWC	AR2205	.429"	1.595"	20.0	1,126 fps	1	22.0	1,269 fps	-
240 GR. NOS HP	AR2205	.429"	1.600"	20.0	1,125 fps	-	21.0	1,183 fps	-

445 Super Mag

Case: Starline

Twist: 1:20"

Barrel length: 10"

Trim length: 1.590"

Primer: Federal 210

					Start loa	ds	Maximum loads		
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
180 GR. SIE JHC	AR2205	.430"	1.925"	34.5	1,655 fps	-	37.0	1,901 fps	-
200 GR. BAR X	AR2205	.430"	1.925"	35.0	1,795 fps	-	38.0	1,885 fps	-
225 GR. BAR X	AR2205	.430"	1.925"	34.0	1,708 fps	-	37.5	1,864 fps	-

444 Marlin

Case: Remington

Barrel length: 15"

Twist: 1:38"

Primer: Remington 9 1/2

Trim length: 2.215"

				Fillier. Reningions 1/2						
					Start load	ds		Maximum l	oads	
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure	
200 GR. BAR XFB	AR2207	.429"	2.550"	46.0	2,086 fps	34,400 CUP	51.2C	2,348 fps	42,900 CUP	
	AR2219	.429"	2.550"	50.0	1,940 fps	30,200 CUP	52.0C	2,037 fps	33,600 CUP	
	Bench Mark 2	.429"	2.550"	50.0	1,940 fps	27,600 CUP	54.0	2,102 fps	35,800 CUP	
225 GR. BAR XFB	AR2207	.429"	2.550"	42.2	1,916 fps	32,300 CUP	46.9	2,158 fps	42,300 CUP	
	AR2219	.429"	2.550"	47.0	1,846 fps	33,400 CUP	50.0C	1,986 fps	37,000 CUP	
	Bench Mark 2	.429"	2.550"	49.0	1,901 fps	34,500 CUP	52.0C	2,044 fps	38,100 CUP	
240 GR. SIE JHC	AR2207	.430"	2.535"	44.0	1,969 fps	36,100 CUP	49.2C	2,179 fps	42,100 CUP	

				Case: R	Remington		Barrel le	ength: 15"	
444 Marlin				Twist: 1	:38"		Trim len	gth: 2.215"	
				Primer:	Remington 9	1/2			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
	AR2219	.430"	2.535"	49.5	1,900 fps	31,400 CUP	52.0C	2,012 fps	35,900 CUP
	Bench Mark 2	.430"	2.535"	51.0	1,948 fps	31,600 CUP	55.0C	2,093 fps	40,600 CUP
	AR2206H	.430"	2.535"	51.0	1,760 fps	29,600 CUP	53.0C	1,862 fps	33,100 CUP
265 GR. HDY JFP	AR2207	.430"	2.550"	42.0	1,867 fps	31,200 CUP	47.0	2,092 fps	41,100 CUP
	AR2219	.430"	2.550"	47.0	1,803 fps	33,200 CUP	52.0C	2,028 fps	38,300 CUP
	Bench Mark 2	.430"	2.550"	49.0	1,855 fps	31,000 CUP	53.0C	2,004 fps	40,700 CUP
	AR2206H	.430"	2.550"	50.0	1,763 fps	29,300 CUP	53.0C	1,891 fps	34,800 CUP
270 GR. SPR JFP	AR2207	.429"	2.540"	42.0	1,898 fps	34,900 CUP	46.5	2,083 fps	41,400 CUP
	AR2219	.429"	2.540"	47.0	1,823 fps	31,700 CUP	52.0C	2,026 fps	38,100 CUP
	Bench Mark 2	.429"	2.540"	50.0	1,902 fps	33,500 CUP	54.0C	2,041 fps	41,700 CUP
	AR2206H	.429"	2.540"	50.0	1,781 fps	29,300 CUP	53.0C	1,893 fps	33,400 CUP
275 GR. BAR FP	AR2207	.430"	2.520"	40.0	1,866 fps	33,500 CUP	44.5	2,049 fps	41,800 CUP
	AR2219	.430"	2.520"	46.0	1,802 fps	33,800 CUP	51.0C	2,044 fps	43,100 CUP
	Bench Mark 2	.430"	2.520"	48.0	1,866 fps	35,900 CUP	51.0C	1,964 fps	43,300 CUP
	AR2206H	.430"	2.520"	47.0	1,705 fps	27,100 CUP	52.0C	1,941 fps	36,200 CUP
280 GR. SFT HP	AR2207	.430"	2.620"	38.0	1,765 fps	37,300 CUP	42.5	1,977 fps	42,300 CUP
	AR2219	.430"	2.620"	44.5	1,809 fps	33,400 CUP	49.5	1,986 fps	42,400 CUP
	Bench Mark 2	.430"	2.620"	46.0	1,815 fps	38,300 CUP	49.5C	1,941 fps	42,600 CUP
	AR2206H	.430"	2.620"	47.0	1,760 fps	30,300 CUP	52.0C	1,973 fps	37,600 CUP
	AR2208	.430"	2.620"	49.0	1,707 fps	33,000 CUP	52.0C	1,875 fps	36,800 CUP
300 GR. SFT HP	AR2207	.430"	2.620"	38.5	1,816 fps	36,200 CUP	42.5	1,946 fps	42,500 CUP
	AR2219	.430"	2.620"	43.0	1,694 fps	30,600 CUP	48.0	1,905 fps	42,600 CUP
	Bench Mark 2	.430"	2.620"	46.0	1,790 fps	36,200 CUP	48.5	1,893 fps	41,900 CUP
	AR2206H	.430"	2.620"	47.0	1,722 fps	33,600 CUP	50.0C	1,853 fps	35,600 CUP
	AR2208	.430"	2.620"	47.0	1,631 fps	30,700 CUP	50.0C	1,753 fps	35,700 CUP
				Case: S	Sneer		Barrel le	ength: 5"	
AE CAD (Clock Au	4 0\			Twist: 1	•			ngth: 0.750"	
45 GAP (Glock Au	10)				Winchester S	D		1941. 0.700	
				Fillier.			<u> </u>		
Dullat	Douglas	Pullet Diam	601	Cm	Start loa	1	Cm	Maximum I	1
Bullet 155 GR. LSWC CAST	Powder AS30N	Bullet Diam.	C.O.L. 1.110"	Grs. 3.9	Velocity 974 fps	Pressure 18,000 PSI	Grs.	Velocity 1,047 fps	Pressure 22,300 PSI
185 GR. HDY XTP	AS30N AS30N	.452	1.110	1	974 tps 816 fps	18,000 PSI	4.4		22,300 PSI 21,400 PSI
IOJ GR. FIDT ATP	AP70N	.451"	1.060"	3.7	864 fps	17.700 PSI	4.1	881 fps 1,027 fps	21,400 PSI 22.300 PSI
200 GR. SPR GDHP	AS30N	.451"	1.080"	5.5	718 fps	17,700 PSI	6.3 3.7	796 fps	22,300 PSI 20,400 PSI
200 GR. SFR GUNP					•	17,300 PSI 18,500 PSI		•	,
	AP70N	.451"	1.080"	5.2	838 fps	18,500 PSI	5.7	924 fps	20,900 PSI

				Case: V	Vinchester		Barrel le	ength: 5"	
45 ACP				Twist: 1	:16"		Trim ler	ngth: 0.893"	
				Primer:	Federal 150				
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
150 GR. CAST LSWC	AP50N	.452"	1.210"	4.5	930 fps	12,900 PSI	5.4	1,090 fps	19,200 PSI
	AP100	.452"	1.210"	8.5	970 fps	14,900 PSI	9.5	1,165 fps	20,400 PSI
155 GR. CAST LSWC	AS30N	.451"	1.230"	4.9	1,040 fps	16,100 CUP	5.2	1,082 fps	17,700 CUP
	AP50N	.452"	1.245"	5.0	940 fps	9,200 PSI	6.2	1,175 fps	20,400 PSI
	AP70N	.451"	1.230"	6.5	1,015 fps	13,000 CUP	7.0	1,135 fps	16,700 CUP
155 GR. SFIRE	AP70N	.451"	1.220"	5.4	828 fps	12,300 CUP	6.0	1,050 fps	16,900 CUP
160 GR. BAR TAC-XP	AS30N	.451"	1.200"	3.4	833 fps	17,100 PSI	3.9	906 fps	20,000 PSI
	AP70N	.451"	1.200"	5.4	938 fps	17,100 PSI	5.9	1,047 fps	19,500 PSI
175 GR. CAST LSWC	AP50N	.452"	1.250"	4.5	845 fps	12,000 PSI	5.5	1,020 fps	17,900 PSI
180 GR. LFP	AS30N	.452"	1.140"	3.8	783 fps	11,600 CUP	4.5	910 fps	16,700 CUP
	Trail Boss	.452"	1.140"	3.5	664 fps	7,100 CUP	5.0	852 fps	13,700 CUP
	AP70N	.452"	1.140"	5.3	755 fps	11,100 CUP	6.4	1,019 fps	17,600 CUP
185 GR. CAST LSWC	AP50N	.452"	1.271"	4.5	800 fps	8,000 PSI	5.8	1,030 fps	20,100 PSI
185 GR. HDY JSWC	AS30N	.451"	1.135"	4.5	855 fps	14,500 CUP	4.9	981 fps	17,400 CUP
	AP70N	.451"	1.135"	6.0	908 fps	13,100 CUP	6.4	977 fps	16,800 CUP
200 GR. CAST LSWC	AS30N	.451"	1.225"	3.6	759 fps	11,800 CUP	4.3	888 fps	17,000 CUP
	Trail Boss	.451"	1.225"	3.5	652 fps	9,200 CUP	5.5	816 fps	16,100 CUP
	AP50N	.452"	1.255"	4.0	755 fps	11,100 PSI	5.0	960 fps	21,000 PSI
	AP70N	.451"	1.225"	5.8	889 fps	13,900 CUP	6.3	962 fps	16,800 CUP
200 GR. SPR JHP	AS30N	.451"	1.155"	3.9	714 fps	15,200 CUP	4.3	785 fps	17,700 CUP
	AP70N	.451"	1.155"	5.8	889 fps	15,100 CUP	6.2	949 fps	17,200 CUP
230 GR. CAST LRN	AS30N	.452"	1.200"	3.5	716 fps	13,700 CUP	4.0	793 fps	16,800 CUP
	Trail Boss	.452"	1.200"	3.5	658 fps	11,200 CUP	4.5	761 fps	15,100 CUP
	AP50N	.452"	1.250"	3.8	720 fps	9,700 PSI	4.5	840 fps	18,100 PSI
	AP70N	.452"	1.200"	4.5	703 fps	11,400 CUP	5.4	857 fps	16,800 CUP
230 GR. HDY FMJ FP	AS30N	.451"	1.200"	3.7	670 fps	15,900 CUP	4.0	732 fps	17,000 CUP
	AP70N	.451"	1.200"	5.1	716 fps	11,800 CUP	5.6	844 fps	16,800 CUP
				Case: V	Vinchester		Barrel le	ength: 5"	
45 SUPER				Twist: 1	:16"			ngth: 0.893"	
40 OOI LIK				Primer:	Federal 150			•	
				1 1111011	Start loa	de		Maximum I	nade
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
185 GR. HDY JSWC	AP70N	.451"	1.195"	6.0	908 fps	13,100 CUP	7.0	1,067 fps	20.100 CUP
200 GR. SPR JHP	AP70N	.451"	1.155"	5.8	889 fps	15,100 CUP	6.7	1,014 fps	20,100 CUP
							J.,		

45 Colt

Case: Winchester

Barrel length: 7.26"
Trim length: 1.280"

Twist: 1:16"

Primer: Winchester LP

NOTE: See Single Action Pistol section for more loads.

					Start load	ds	Maximum loads			
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure	
200 GR. HDY XTP	AP70N	.452"	1.600"	8.0	915 fps	9,600 CUP	9.0	1,068 fps	13,900 CUP	
225 GR. HDY FTX	AS30N	.452"	1.600"	4.4	538 fps	9,400 PSI	5.5	761 fps	13,600 PSI	
	AP70N	.452"	1.600"	6.4	684 fps	7,800 PSI	8.2	916 fps	13,200 PSI	
250 GR. HDY XTP	AP70N	.452"	1.595"	7.5	705 fps	10,300 CUP	8.5	856 fps	14,000 CUP	
260 GR. SPR JHP	AP70N	.451"	1.595"	7.0	661 fps	9,400 CUP	8.0	813 fps	14,000 CUP	
300 GR. SIE JFP	AP70N	.452"	1.670"	6.6	593 fps	11,200 CUP	7.3	700 fps	13,700 CUP	

45 Colt (Ruger, Freedom Arms & T/C only)

Case: Winchester

Barrel length: 7.26"

Twist: 1:16"

Primer: Winchester LP

Trim length: 1.280"

WARNING: These loads are intended for Ruger, Freedom Arms and Thompson Contender pistols only. Do not use these loads in other pistols chambered for the 45 Colt.

					Start load	ds	Maximum loads		
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
240 GR. SIE JHC	AR2205	.452"	1.600"	20.0	1,169 fps	20,100 CUP	26.0	1,413 fps	30,000 CUP
250 GR. HDY XTP	AR2205	.452"	1.600"	20.0	1,150 fps	23,500 CUP	24.6	1,343 fps	30,300 CUP
300 GR. SPR JFP	AR2205	.451"	1.650"	19.0	1,051 fps	23,600 CUP	22.3	1,202 fps	29,900 CUP
325 GR. CPB LFN PB	AR2205	.452"	1.680"	20.0	1,053 fps	22,300 CUP	23.0	1,189 fps	28,000 CUP
335 GR. CPB LFN GC	AR2205	.452"	1.680"	20.0	1,011 fps	21,100 CUP	22.5C	1,155 fps	28,300 CUP
360 GR. CPB LFN GC	AR2205	.452"	1.680"	19.5	1,004 fps	21,100 CUP	22.0C	1,167 fps	29,800 CUP

45 Winchester Magnum

Case: Winchester

Twist: 1:16"

Barrel length: 5"

Trim length: 1.193"

Primer: CCI 350

					Start loa	ds	Maximum loads			
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure	
230 GR. HDY FMJ FP	AR2205	.451"	1.500"	24.0	1,160 fps	27,400 CUP	25.0	1,259 fps	29,400 CUP	
240 GR. SIE JHC	AR2205	.451"	1.555"	24.0	1,164 fps	29,000 CUP	25.0	1,266 fps	33,000 CUP	
250 GR. NOS JHP	AR2205	.451"	1.500"	23.0	1,141 fps	34,000 CUP	24.0	1,239 fps	37,100 CUP	
260 GR. SPR JHP	AR2205	.451"	1.505"	22.0	1,148 fps	32,600 CUP	23.0	1,209 fps	35,400 CUP	

450 Extreme

Case: Starline

Barrel length: 8"
Trim length: 1.340"

Twist: 1:24"

Primer: CCI 350

					Start load	ds	Maximum loads			
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure	
240 GR. HDY XTP-MAG.	AR2205	.452"	1.725"	31.0	1,744 fps	40,100 PSI	33.0C	1,827 fps	44,700 PSI	
260 GR. HDY XTP-MAG.	AR2205	.452"	1.725"	29.5	1,649 fps	39,600 PSI	30.5	1,722 fps	44,800 PSI	
265 GR. CPB LFP/GC	AR2205	.453"	1.670"	29.0	1,651 fps	39,900 PSI	31.0	1,736 fps	44,900 PSI	
300 GR. HDY XTP-MAG.	AR2205	.452"	1.725"	25.6	1,465 fps	38,900 PSI	27.3	1,564 fps	45,600 PSI	

Case: Freedom Arms

Twist: 1:24"

Barrel length: 9.375" Trim length: 1.380"

Primer: Winchester SR

					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
240 GR. SIE JHC	AP70N	.452"	1.680"	10.2	1,212 fps	24,400 CUP	11.5	1,325 fps	37,500 CUP
240 GR. FA JHP	AR2205	.452"	1.765"	29.0	1,512 fps	22,300 CUP	34.0C	1,834 fps	43,300 CUP
250 GR. MEI LRNFP	Trail Boss	.452"	1.680"	6.7	862 fps	14,800 CUP	9.0	1,011 fps	19,300 CUP
250 GR. NOS JHP	AP70N	.451"	1.700"	10.8	1,221 fps	25,700 CUP	12.0	1,290 fps	35,300 CUP
250 GR. BAR X	AR2205	.451"	1.780"	26.0	1,580 fps	40,800 CUP	28.5C	1,685 fps	50,000 CUP
260 GR. SPR JHP	AP70N	.451"	1.675"	10.3	1,157 fps	25,500 CUP	11.5	1,245 fps	34,900 CUP
260 GR. FA JFP	AR2205	.452"	1.765"	28.0	1,421 fps	19,000 CUP	33.0C	1,762 fps	42,100 CUP
265 GR. CPB LFP GC	Trail Boss	.452"	1.700"	7.0	836 fps	18,800 CUP	9.0	984 fps	27,100 CUP
300 GR. CPB LFN GC	Trail Boss	.452"	1.800"	6.5	767 fps	14,900 CUP	8.0	865 fps	23,900 CUP
300 GR. FA JFP	AR2205	.452"	1.775"	27.0	1,541 fps	41,100 CUP	31.0C	1,702 fps	52,400 CUP
325 GR. CPB LFN PB	Trail Boss	.452"	1.760"	5.0	636 fps	13,600 CUP	7.0	798 fps	23,700 CUP
	AR2205	.452"	1.760"	24.7	1,389 fps	30,300 CUP	25.5C	1,452 fps	36,900 CUP
325 GR. SFT HP	AR2205	.451"	1.750"	23.0	1,323 fps	42,600 CUP	25.5	1,460 fps	52,600 CUP
335 GR. CPB LFN GC	Trail Boss	.452"	1.770"	4.8	618 fps	15,500 CUP	6.8	778 fps	25,600 CUP
	AR2205	.452"	1.770"	23.0	1,306 fps	30,000 CUP	25.5	1,460 fps	42,800 CUP
360 GR. CPB LFN GC	Trail Boss	.452"	1.760"	5.0	615 fps	18,000 CUP	6.0	699 fps	27,300 CUP
	AR2205	.452"	1.760"	21.0	1,205 fps	31,000 CUP	24.0	1,406 fps	48,300 CUP
395 GR. CPB LFN GC	Trail Boss	.452"	1.770"	4.0	519 fps	19,200 CUP	5.0	607 fps	23,600 CUP
	AR2205	.452"	1.770"	18.0	1,076 fps	29,600 CUP	21.0	1,269 fps	48,300 CUP

460 S&W MAGNUM

454 Casull

Case: Starline

Twist: 1:20"

Barrel length: 10.743"

Trim length: 1.790"

Primer: Winchester LRM

				Start loads				Maximum I	nade
	1	I		_		1	_	1	
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
200 GR. BAR XPB	AR2205	.451"	2.320"	41.0	2,077 fps	35,200 PSI	45.5C	2,238 fps	42,200 PSI
225 GR. BAR X	AR2205	.451"	2.110"	37.0	2,007 fps	42,100 PSI	41.0C	2,191 fps	54,400 PSI
240 GR. HDY XTP MAG.	AR2205	.452"	2.160"	40.0	2,018 fps	43,200 PSI	45.0C	2,198 fps	51,800 PSI
250 GR. BAR X	AR2205	.451"	2.200"	36.0	1,938 fps	45,700 PSI	40.0C	2,074 fps	57,200 PSI
260 GR. NOS PART	AR2205	.451"	2.175"	38.0	1,939 fps	45,000 PSI	43.0C	2,098 fps	51,300 PSI
265 GR. SFT HP	AR2205	.451"	2.180"	38.0	1,940 fps	44,800 PSI	43.5C	2,109 fps	53,100 PSI
300 GR. HDY XTP MAG.	AR2205	.452"	2.160"	36.0	1,852 fps	49,000 PSI	40.0C	1,988 fps	57,000 PSI
325 GR. CPB LFN PB	Trail Boss	.452"	2.200"	7.0	734 fps	16,500 PSI	11.0	914 fps	20,400 PSI
	AR2205	.452"	2.200"	34.0	1,790 fps	51,100 PSI	38.0	1,897 fps	56,400 PSI
325 GR. SFT HP	AR2205	.451"	2.175"	33.0	1,716 fps	46,700 PSI	37.0	1,859 fps	57,300 PSI
	AR2207	.451"	2.175"	37.0	1,556 fps	36,200 PSI	41.0C	1,695 fps	42,500 PSI
335 GR. CPB WLN GC	Trail Boss	.452"	2.180"	7.0	726 fps	17,700 PSI	10.0	887 fps	22,200 PSI
	AR2205	.452"	2.180"	33.0	1,719 fps	50,000 PSI	37.5	1,849 fps	55,700 PSI
360 GR. CPB WLN GC	Trail Boss	.452"	2.190"	7.0	712 fps	19,600 PSI	9.0	827 fps	24,200 PSI
	AR2205	.452"	2.190"	31.0	1,632 fps	49,500 PSI	35.5	1,776 fps	56,500 PSI
	AR2207	.452"	2.190"	37.0	1,531 fps	38,200 PSI	40.0C	1,644 fps	43,200 PSI
395 GR. CPB WLN GC	Trail Boss	.452"	2.185"	7.0	695 fps	21,100 PSI	8.0	754 fps	24,000 PSI
	AR2205	.452"	2.185"	28.0	1,516 fps	48,700 PSI	32.0	1,647 fps	56,600 PSI
	AR2207	.452"	2.185"	35.0	1,484 fps	40,000 PSI	38.0C	1,596 fps	46,600 PSI

				Case: V	/inchester		Barrel le	e ngth: 15"	
45-70 Government				Twist: 1	:20"		Trim len	gth: 2.100"	
				Primer:	CCI 200				
					Start load	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
300 GR. CAST LFP	AR2207	.458"	2.465"	30.0	1,175 fps	14,400 CUP	35.5	1,418 fps	16,100 CUP
	AR2206H	.458"	2.465"	45.0	1,326 fps	14,400 CUP	51.0	1,464 fps	15,500 CUP
	AR2208	.458"	2.465"	45.0	1,276 fps	17,800 CUP	55.0	1,530 fps	20,600 CUP
300 GR. SIE HP	AR2207	.458"	2.525"	45.0	1,774 fps	16,700 CUP	55.0	2,076 fps	27,600 CUP
	AR2219	.458"	2.525"	54.0	1,699 fps	18,100 CUP	60.0	1,940 fps	28,000 CUP
	AR2206H	.458"	2.525"	58.0	1,654 fps	16,500 CUP	62.0C	1,874 fps	21,000 CUP
	AR2208	.458"	2.525"	57.0	1,512 fps	16,300 CUP	63.0C	1,821 fps	23,800 CUP
385 GR. CAST LFP	AR2207	.458"	2.505"	28.0	1,077 fps	13,300 CUP	32.0	1,249 fps	14,700 CUP
	AR2206H	.458"	2.505"	35.0	1,101 fps	11,900 CUP	42.0	1,301 fps	23,100 CUP
	AR2208	.458"	2.505"	42.5	1,293 fps	15,400 CUP	52.5	1,537 fps	21,800 CUP
405 GR. CAST LFP	AR2207	.458"	2.540"	27.0	1,057 fps	14,200 CUP	31.0	1,224 fps	17,100 CUP
	AR2206H	.458"	2.540"	40.0	1,261 fps	14,900 CUP	48.0	1,453 fps	18,900 CUP
	AR2208	.458"	2.540"	40.0	1,188 fps	15,600 CUP	50.0	1,445 fps	20,900 CUP
485 GR. CAST LFP	AR2207	.458"	2.540"	28.0	1,065 fps	16,400 CUP	32.0	1,233 fps	20,400 CUP
	AR2206H	.458"	2.540"	32.0	1,010 fps	15,600 CUP	39.0	1,209 fps	22,700 CUP
480 Ruger				Case: H	:18"			ength: 7.5" ngth: 1.275"	
480 Ruger				Twist: 1	:18" Winchester LI			igth: 1.275"	
				Twist: 1 Primer:	:18" Winchester LI Start load	ds	Trim len	gth: 1.275" Maximum I	1
Bullet	Powder	Bullet Diam.	C.O.L.	Twist: 1 Primer: Grs.	:18" Winchester Li Start load Velocity	ds Pressure	Trim len	gth: 1.275" Maximum I Velocity	Pressure
Bullet 325 GR. HDY XTP	AR2205	.475"	1.620"	Twist: 1 Primer: Grs. 24.0	:18" Winchester LI Start load Velocity 1,295 fps	Pressure 32,600 PSI	Grs. 27.2	Maximum I Velocity 1,477 fps	Pressure 45,600 PSI
Bullet 325 GR. HDY XTP 355 GR. BTB LFN GC	AR2205 Trail Boss	.475"	1.620" 1.630"	Twist: 1 Primer: Grs. 24.0 5.0	:18" Winchester LI Start load Velocity 1,295 fps 621 fps	Pressure 32,600 PSI 16,700 PSI	Grs. 27.2 6.5	Maximum I Velocity 1,477 fps 740 fps	Pressure 45,600 PSI 22,700 PSI
Bullet 325 GR. HDY XTP	AR2205 Trail Boss Trail Boss	.475" .476" .475"	1.620" 1.630" 1.640"	Twist: 1 Primer: Grs. 24.0 5.0 4.5	:18" Winchester LI Start load Velocity 1,295 fps 621 fps 597 fps	Pressure 32,600 PSI 16,700 PSI 16,000 PSI	Grs. 27.2 6.5 5.7	Maximum I Velocity 1,477 fps 740 fps 689 fps	Pressure 45,600 PSI 22,700 PSI 20,900 PSI
Bullet 325 GR. HDY XTP 355 GR. BTB LFN GC 370 GR. CPB LFP	AR2205 Trail Boss Trail Boss AR2205	.475" .476" .475" .475"	1.620" 1.630" 1.640" 1.640"	Twist: 1 Primer: Grs. 24.0 5.0 4.5 22.5	Start load Velocity 1,295 fps 621 fps 597 fps 1,248 fps	Pressure 32,600 PSI 16,700 PSI 16,000 PSI 32,800 PSI	Grs. 27.2 6.5 5.7 26.0C	Maximum I Velocity 1,477 fps 740 fps 689 fps 1,427 fps	Pressure 45,600 PSI 22,700 PSI 20,900 PSI 45,900 PSI
Bullet 325 GR. HDY XTP 355 GR. BTB LFN GC 370 GR. CPB LFP 400 GR. HDY XTP	AR2205 Trail Boss Trail Boss AR2205 AR2205	.475" .476" .475" .475" .475"	1.620" 1.630" 1.640" 1.640" 1.620"	Twist: 1 Primer: Grs. 24.0 5.0 4.5 22.5 18.0	Start load Velocity 1,295 fps 621 fps 597 fps 1,248 fps 1,026 fps	Pressure 32,600 PSI 16,700 PSI 16,000 PSI 32,800 PSI 31,600 PSI	Grs. 27.2 6.5 5.7 26.0C 21.0	Maximum I Velocity 1,477 fps 740 fps 689 fps 1,427 fps 1,211 fps	Pressure 45,600 PSI 22,700 PSI 20,900 PSI 45,900 PSI 46,100 PSI
Bullet 325 GR. HDY XTP 355 GR. BTB LFN GC 370 GR. CPB LFP 400 GR. HDY XTP	AR2205 Trail Boss Trail Boss AR2205 AR2205 Trail Boss	.475" .476" .475" .475" .475" .475"	1.620" 1.630" 1.640" 1.640" 1.620"	Twist: 1 Primer: Grs. 24.0 5.0 4.5 22.5 18.0 3.5	Winchester LI Start load Velocity 1,295 fps 621 fps 597 fps 1,248 fps 1,026 fps 469 fps	Pressure 32,600 PSI 16,700 PSI 16,000 PSI 32,800 PSI 31,600 PSI 15,200 PSI	Grs. 27.2 6.5 5.7 26.0C 21.0 5.5	Maximum I Velocity 1,477 fps 740 fps 689 fps 1,427 fps 1,211 fps 645 fps	Pressure 45,600 PSI 22,700 PSI 20,900 PSI 45,900 PSI 46,100 PSI 25,700 PSI
Bullet 325 GR. HDY XTP 355 GR. BTB LFN GC 370 GR. CPB LFP 400 GR. HDY XTP 405 GR. CPB (w/GCK)	AR2205 Trail Boss Trail Boss AR2205 AR2205 Trail Boss AR2205	.475" .476" .475" .475" .475" .475" .475"	1.620" 1.630" 1.640" 1.640" 1.620" 1.620"	Twist: 1 Primer: Grs. 24.0 5.0 4.5 22.5 18.0 3.5 19.0	**Temperature** **Temperature** **Temperature** **Temperature** **Tempera	Pressure 32,600 PSI 16,700 PSI 16,000 PSI 32,800 PSI 31,600 PSI 15,200 PSI 33,200 PSI	Grs. 27.2 6.5 5.7 26.0C 21.0 5.5 21.7	Maximum I Velocity 1,477 fps 740 fps 689 fps 1,427 fps 1,211 fps 645 fps 1,255 fps	Pressure 45,600 PSI 22,700 PSI 20,900 PSI 45,900 PSI 46,100 PSI 25,700 PSI 45,500 PSI
Bullet 325 GR. HDY XTP 355 GR. BTB LFN GC 370 GR. CPB LFP 400 GR. HDY XTP	AR2205 Trail Boss Trail Boss AR2205 AR2205 Trail Boss AR2205 Trail Boss AR2205 Trail Boss	.475" .476" .475" .475" .475" .475" .475" .476"	1.620" 1.630" 1.640" 1.640" 1.620" 1.620" 1.620"	Twist: 1 Primer: Grs. 24.0 5.0 4.5 22.5 18.0 3.5 19.0 3.5	**Start load** Velocity 1,295 fps 621 fps 597 fps 1,248 fps 1,026 fps 469 fps 1,112 fps 467 fps	Pressure 32,600 PSI 16,700 PSI 16,000 PSI 32,800 PSI 31,600 PSI 15,200 PSI 33,200 PSI 16,200 PSI	Grs. 27.2 6.5 5.7 26.0C 21.0 5.5 21.7 5.0	Maximum II Velocity 1,477 fps 740 fps 689 fps 1,427 fps 1,211 fps 645 fps 1,255 fps 597 fps	Pressure 45,600 PSI 22,700 PSI 20,900 PSI 45,900 PSI 46,100 PSI 25,700 PSI 45,500 PSI 24,300 PSI
Bullet 325 GR. HDY XTP 355 GR. BTB LFN GC 370 GR. CPB LFP 400 GR. HDY XTP 405 GR. CPB (w/GCK)	AR2205 Trail Boss Trail Boss AR2205 AR2205 Trail Boss AR2205	.475" .476" .475" .475" .475" .475" .475"	1.620" 1.630" 1.640" 1.640" 1.620" 1.620"	Twist: 1 Primer: Grs. 24.0 5.0 4.5 22.5 18.0 3.5 19.0	**Temperature** **Temperature** **Temperature** **Temperature** **Tempera	Pressure 32,600 PSI 16,700 PSI 16,000 PSI 32,800 PSI 31,600 PSI 15,200 PSI 33,200 PSI	Grs. 27.2 6.5 5.7 26.0C 21.0 5.5 21.7	Maximum I Velocity 1,477 fps 740 fps 689 fps 1,427 fps 1,211 fps 645 fps 1,255 fps	Pressure 45,600 PSI 22,700 PSI 20,900 PSI 45,900 PSI 46,100 PSI 25,700 PSI 45,500 PSI
Bullet 325 GR. HDY XTP 355 GR. BTB LFN GC 370 GR. CPB LFP 400 GR. HDY XTP 405 GR. CPB (w/GCK)	AR2205 Trail Boss Trail Boss AR2205 AR2205 Trail Boss AR2205 Trail Boss AR2205 Trail Boss	.475" .476" .475" .475" .475" .475" .475" .476"	1.620" 1.630" 1.640" 1.640" 1.620" 1.620" 1.620"	Twist: 1 Primer: Grs. 24.0 5.0 4.5 22.5 18.0 3.5 19.0 3.5	**Start load** Velocity 1,295 fps 621 fps 597 fps 1,248 fps 1,026 fps 469 fps 1,112 fps 467 fps 1,125 fps	Pressure 32,600 PSI 16,700 PSI 16,000 PSI 32,800 PSI 31,600 PSI 15,200 PSI 33,200 PSI 16,200 PSI	Grs. 27.2 6.5 5.7 26.0C 21.0 5.5 21.7 5.0 21.3C	Maximum II Velocity 1,477 fps 740 fps 689 fps 1,427 fps 1,211 fps 645 fps 1,255 fps 597 fps	Pressure 45,600 PSI 22,700 PSI 20,900 PSI 45,900 PSI 46,100 PSI 25,700 PSI 45,500 PSI 24,300 PSI
Bullet 325 GR. HDY XTP 355 GR. BTB LFN GC 370 GR. CPB LFP 400 GR. HDY XTP 405 GR. CPB (w/GCK)	AR2205 Trail Boss Trail Boss AR2205 AR2205 Trail Boss AR2205 Trail Boss AR2205 Trail Boss	.475" .476" .475" .475" .475" .475" .475" .476"	1.620" 1.630" 1.640" 1.640" 1.620" 1.620" 1.620"	Twist: 1 Primer: Grs. 24.0 5.0 4.5 22.5 18.0 3.5 19.0 3.5 19.5	**Start load Velocity 1,295 fps 621 fps 597 fps 1,248 fps 1,026 fps 469 fps 1,112 fps 467 fps 1,125 fps lomady	Pressure 32,600 PSI 16,700 PSI 16,000 PSI 32,800 PSI 31,600 PSI 15,200 PSI 33,200 PSI 16,200 PSI	Grs. 27.2 6.5 5.7 26.0C 21.0 5.5 21.7 5.0 21.3C	Maximum II Velocity 1,477 fps 740 fps 689 fps 1,427 fps 1,211 fps 645 fps 1,255 fps 597 fps 1,214 fps	Pressure 45,600 PSI 22,700 PSI 20,900 PSI 45,900 PSI 46,100 PSI 25,700 PSI 45,500 PSI 24,300 PSI
Bullet 325 GR. HDY XTP 355 GR. BTB LFN GC 370 GR. CPB LFP 400 GR. HDY XTP 405 GR. CPB (w/GCK) 420 GR. BTB LFN GC	AR2205 Trail Boss Trail Boss AR2205 AR2205 Trail Boss AR2205 Trail Boss AR2205 Trail Boss	.475" .476" .475" .475" .475" .475" .475" .476"	1.620" 1.630" 1.640" 1.640" 1.620" 1.620" 1.620"	Twist: 1 Primer: Grs. 24.0 5.0 4.5 22.5 18.0 3.5 19.0 3.5 19.5 Case: H Twist: 1	**Start load Velocity 1,295 fps 621 fps 597 fps 1,248 fps 1,026 fps 469 fps 1,112 fps 467 fps 1,125 fps lomady	ds Pressure 32,600 PSI 16,700 PSI 16,000 PSI 32,800 PSI 31,600 PSI 15,200 PSI 33,200 PSI 16,200 PSI 39,100 PSI	Grs. 27.2 6.5 5.7 26.0C 21.0 5.5 21.7 5.0 21.3C	Maximum I Velocity 1,477 fps 740 fps 689 fps 1,427 fps 1,211 fps 645 fps 1,255 fps 1,214 fps 1,214 fps	Pressure 45,600 PSI 22,700 PSI 20,900 PSI 45,900 PSI 46,100 PSI 25,700 PSI 45,500 PSI 24,300 PSI
Bullet 325 GR. HDY XTP 355 GR. BTB LFN GC 370 GR. CPB LFP 400 GR. HDY XTP 405 GR. CPB (w/GCK) 420 GR. BTB LFN GC	AR2205 Trail Boss Trail Boss AR2205 AR2205 Trail Boss AR2205 Trail Boss AR2205 Trail Boss	.475" .476" .475" .475" .475" .475" .475" .476"	1.620" 1.630" 1.640" 1.640" 1.620" 1.620" 1.620"	Twist: 1 Primer: Grs. 24.0 5.0 4.5 22.5 18.0 3.5 19.0 3.5 19.5 Case: H Twist: 1	**Start load** **Velocity** 1,295 fps 621 fps 597 fps 1,248 fps 1,026 fps 469 fps 467 fps 1,125 fps lomady 20"	Pressure 32,600 PSI 16,700 PSI 16,000 PSI 32,800 PSI 31,600 PSI 35,200 PSI 33,200 PSI 39,100 PSI	Grs. 27.2 6.5 5.7 26.0C 21.0 5.5 21.7 5.0 21.3C	Maximum I Velocity 1,477 fps 740 fps 689 fps 1,427 fps 1,211 fps 645 fps 1,255 fps 1,214 fps 1,214 fps	Pressure 45,600 PSI 22,700 PSI 20,900 PSI 45,900 PSI 46,100 PSI 25,700 PSI 45,500 PSI 24,300 PSI 46,400 PSI
Bullet 325 GR. HDY XTP 355 GR. BTB LFN GC 370 GR. CPB LFP 400 GR. HDY XTP 405 GR. CPB (w/GCK) 420 GR. BTB LFN GC	AR2205 Trail Boss Trail Boss AR2205 AR2205 Trail Boss AR2205 Trail Boss AR2205 Trail Boss	.475" .476" .475" .475" .475" .475" .475" .476"	1.620" 1.630" 1.640" 1.640" 1.620" 1.620" 1.620"	Twist: 1 Primer: Grs. 24.0 5.0 4.5 22.5 18.0 3.5 19.0 3.5 19.5 Case: H Twist: 1	Winchester LI Start load Velocity 1,295 fps 621 fps 597 fps 1,248 fps 1,026 fps 469 fps 1,112 fps 467 fps 1,125 fps lomady 20" Winchester LI	Pressure 32,600 PSI 16,700 PSI 16,000 PSI 32,800 PSI 31,600 PSI 35,200 PSI 33,200 PSI 39,100 PSI	Grs. 27.2 6.5 5.7 26.0C 21.0 5.5 21.7 5.0 21.3C	Maximum I Velocity 1,477 fps 740 fps 689 fps 1,427 fps 1,211 fps 645 fps 1,255 fps 597 fps 1,214 fps ength: 8" ggth: 1.390"	Pressure 45,600 PSI 22,700 PSI 20,900 PSI 45,900 PSI 46,100 PSI 25,700 PSI 45,500 PSI 24,300 PSI 46,400 PSI
Bullet 325 GR. HDY XTP 355 GR. BTB LFN GC 370 GR. CPB LFP 400 GR. HDY XTP 405 GR. CPB (w/GCK) 420 GR. BTB LFN GC	AR2205 Trail Boss Trail Boss AR2205 AR2205 Trail Boss AR2205 Trail Boss AR2205 Trail Boss AR2205	.475" .476" .475" .475" .475" .475" .475" .476" .476"	1.620" 1.630" 1.640" 1.620" 1.620" 1.620" 1.620" 1.640"	Twist: 1 Primer: Grs. 24.0 5.0 4.5 22.5 18.0 3.5 19.0 3.5 19.5 Case: H Twist: 1 Primer:	Winchester LI Start load Velocity 1,295 fps 621 fps 597 fps 1,248 fps 1,026 fps 469 fps 1,112 fps 467 fps 1,125 fps Indianaly 20" Winchester LI Start load	ds Pressure 32,600 PSI 16,700 PSI 16,000 PSI 32,800 PSI 31,600 PSI 15,200 PSI 33,200 PSI 16,200 PSI 39,100 PSI	Grs. 27.2 6.5 5.7 26.0C 21.0 5.5 21.7 5.0 21.3C Barrel len	Maximum I Velocity 1,477 fps 740 fps 689 fps 1,427 fps 1,211 fps 645 fps 1,255 fps 597 fps 1,214 fps ength: 8" light: 1.390" Maximum I	Pressure 45,600 PSI 22,700 PSI 20,900 PSI 45,900 PSI 46,100 PSI 25,700 PSI 45,500 PSI 24,300 PSI 46,400 PSI
Bullet 325 GR. HDY XTP 355 GR. BTB LFN GC 370 GR. CPB LFP 400 GR. HDY XTP 405 GR. CPB (w/GCK) 420 GR. BTB LFN GC 475 Linebaugh Bullet 325 GR. HDY XTP	AR2205 Trail Boss Trail Boss AR2205 AR2205 Trail Boss AR2205 Trail Boss AR2205 Trail Boss AR2205 Powder	.475" .476" .475" .475" .475" .475" .475" .476" .476"	1.620" 1.630" 1.640" 1.620" 1.620" 1.620" 1.620" 1.640" 1.640"	Twist: 1 Primer: Grs. 24.0 5.0 4.5 22.5 18.0 3.5 19.0 3.5 Twist: 1 Primer: Grs.	Winchester LI Start load Velocity 1,295 fps 621 fps 597 fps 1,248 fps 1,026 fps 469 fps 1,112 fps 467 fps 1,125 fps Omady 20" Winchester LI Start load Velocity	ds Pressure 32,600 PSI 16,700 PSI 16,000 PSI 32,800 PSI 31,600 PSI 15,200 PSI 33,200 PSI 16,200 PSI 39,100 PSI	Grs. 27.2 6.5 5.7 26.0C 21.0 5.5 21.7 5.0 21.3C Barrel let	Maximum II Velocity 1,477 fps 740 fps 689 fps 1,427 fps 1,211 fps 645 fps 1,255 fps 597 fps 1,214 fps ength: 8" gth: 1.390" Maximum II Velocity	Pressure 45,600 PSI 22,700 PSI 20,900 PSI 45,900 PSI 46,100 PSI 25,700 PSI 45,500 PSI 24,300 PSI 46,400 PSI
Bullet 325 GR. HDY XTP 355 GR. BTB LFN GC 370 GR. CPB LFP 400 GR. HDY XTP 405 GR. CPB (w/GCK) 420 GR. BTB LFN GC 475 Linebaugh Bullet 325 GR. HDY XTP	AR2205 Trail Boss Trail Boss AR2205 AR2205 Trail Boss AR2205 Trail Boss AR2205 Trail Boss AR2205 Powder AR2205	.475" .476" .475" .475" .475" .475" .475" .476" .476" .476"	1.620" 1.630" 1.640" 1.640" 1.620" 1.620" 1.620" 1.640" 1.640" 1.640"	Twist: 1 Primer: Grs. 24.0 5.0 4.5 22.5 18.0 3.5 19.0 3.5 19.5 Case: H Twist: 1 Primer: Grs. 27.0	Winchester LI Start load Velocity 1,295 fps 621 fps 597 fps 1,248 fps 1,026 fps 469 fps 1,112 fps 467 fps 1,125 fps Indicate LI Start load Velocity 1,288 fps	Display Displa	Grs. 27.2 6.5 5.7 26.0C 21.0 5.5 21.7 5.0 21.3C Barrel le Trim len Grs. 31.2	Maximum I Velocity 1,477 fps 740 fps 689 fps 1,427 fps 1,211 fps 645 fps 1,255 fps 597 fps 1,214 fps ength: 8" gth: 1.390" Maximum I Velocity 1,546 fps	Pressure 45,600 PSI 22,700 PSI 20,900 PSI 45,900 PSI 46,100 PSI 25,700 PSI 45,500 PSI 24,300 PSI 46,400 PSI oads Pressure 47,700 PSI
Bullet 325 GR. HDY XTP 355 GR. BTB LFN GC 370 GR. CPB LFP 400 GR. HDY XTP 405 GR. CPB (w/GCK) 420 GR. BTB LFN GC 475 Linebaugh Bullet 325 GR. HDY XTP 370 GR. CPB LFP	AR2205 Trail Boss Trail Boss AR2205 AR2205 Trail Boss AR2205 Trail Boss AR2205 Powder AR2205 Trail Boss	.475" .476" .475" .475" .475" .475" .476" .476" .476" .476" .476" .476"	1.620" 1.630" 1.640" 1.640" 1.620" 1.620" 1.620" 1.620" 1.640" 1.740" 1.770"	Twist: 1 Primer: Grs. 24.0 5.0 4.5 22.5 18.0 3.5 19.0 3.5 19.5 Case: H Twist: 1 Primer: Grs. 27.0 6.0	**Telling** **Tell	ds Pressure 32,600 PSI 16,700 PSI 16,000 PSI 32,800 PSI 31,600 PSI 33,200 PSI 15,200 PSI 39,100 PSI Pressure 28,000 PSI 16,000 PSI	Grs. 27.2 6.5 5.7 26.0C 21.0 5.5 21.7 5.0 21.3C Barrel left Grs. 31.2 8.5	Maximum I Velocity 1,477 fps 740 fps 689 fps 1,427 fps 1,211 fps 645 fps 1,255 fps 597 fps 1,214 fps ength: 8" ength: 1.390" Maximum I Velocity 1,546 fps 824 fps	Pressure 45,600 PSI 22,700 PSI 20,900 PSI 45,900 PSI 46,100 PSI 45,500 PSI 45,500 PSI 46,400 PSI Pressure 47,700 PSI 27,500 PSI
Bullet 325 GR. HDY XTP 355 GR. BTB LFN GC 370 GR. CPB LFP 400 GR. HDY XTP 405 GR. CPB (w/GCK) 420 GR. BTB LFN GC 475 Linebaugh	AR2205 Trail Boss Trail Boss AR2205 AR2205 Trail Boss AR2205 Trail Boss AR2205 Trail Boss AR2205 Trail Boss AR2205 Trail Boss AR2205	.475" .476" .475" .475" .475" .475" .476" .476" .476" .476" .476" .475" .475" .475"	1.620" 1.630" 1.640" 1.620" 1.620" 1.620" 1.620" 1.640" 1.640" 1.740" 1.770"	Twist: 1 Primer: Grs. 24.0 5.0 4.5 22.5 18.0 3.5 19.0 3.5 19.5 Case: H Twist: 1 Primer: Grs. 27.0 6.0 25.5	**Test	ds Pressure 32,600 PSI 16,700 PSI 16,000 PSI 32,800 PSI 31,600 PSI 33,200 PSI 16,200 PSI 39,100 PSI Pressure 28,000 PSI 16,000 PSI 31,800 PSI	Grs. 27.2 6.5 5.7 26.0C 21.0 5.5 21.7 5.0 21.3C Barrel le Trim len Grs. 31.2 8.5 28.5	Maximum I Velocity 1,477 fps 740 fps 689 fps 1,427 fps 1,211 fps 645 fps 1,255 fps 597 fps 1,214 fps ength: 8" gth: 1.390" Maximum I Velocity 1,546 fps 824 fps 1,443 fps	Pressure 45,600 PSI 22,700 PSI 20,900 PSI 45,900 PSI 46,100 PSI 25,700 PSI 24,300 PSI 46,400 PSI 46,400 PSI Pressure 47,700 PSI 27,500 PSI 47,400 PSI

				C C			Damella	on author CII	
				Case: S	•		Barrel le	-	
50 Action Express				Twist: 1			ı rım ien	gth: 1.280"	
				Primer:	CCI 350				
					Start load	ds		Maximum l	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
325 GR. SPR AE UCHP	AR2205	.500"	1.575"	29.0	1,201 fps	-	30.8	1,294 fps	-
				Case: S	tarline		Barrel le	ngth: 8"	
500 Linebaugh				Twist: 1	:20"		Trim len	gth: 1.400"	
ooo Emobadgii				Primer:	CCI 350				
					Start load	1e		Maximum l	nade
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
410 GR. LFP	Trail Boss	.511"	1.800"	8.5	752 fps	15,400 PSI	10.0	815 fps	17,400 PSI
	AR2205	.511"	1.800"	32.0	1,294 fps	30.400 PSI	33.7	1,369 fps	34,800 PSI
425 GR. LFP (w/GCK)	Trail Boss	.511"	1.800"	7.5	664 fps	13,100 PSI	9.5	768 fps	16,400 PSI
0 0.0 (W/0014)	AR2205	.511"	1.800"	30.0	1,244 fps	29,400 PSI	32.0	1,356 fps	35.200 PSI
450 GR. MT. BAL LWSC	Trail Boss	.511"	1.840"	9.2	759 fps	19,700 PSI	10.0	800 fps	25,000 PSI
468 GR. LFP	Trail Boss	.512	1.800"	7.3	640 fps	19,700 PSI	9.2	730 fps	18,100 PSI
400 GR. LFP	AR2205	.511"	1.800"	28.5	1,209 fps	29,300 PSI	30.5	1,297 fps	35,000 PSI
	A1 (220)	.511	1.000	20.5	1,209 108	29,3001 31	30.3	1,297 lps	33,0001 31
					reedom Arms		Barrel le	•	
500 Wyoming Expres	s			Twist: 1	:20"		Trim len	gth: 1.360"	
				Primer:	Federal 210				
					Start load	ds		Maximum l	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
350 GR. HDY XTP	AR2205	.500"	1.740"	31.0	1,378 fps	32,400 PSI	35.0C	1,584 fps	44,200 PSI
370 GR. CPB LGC	Trail Boss	.500"	1.740"	7.0	698 fps	19,100 PSI	10.0	859 fps	23,800 PSI
	AR2205	.500"	1.740"	31.0	1,382 fps	33,600 PSI	34.0C	1,535 fps	43,300 PSI
400 GR. CPB LGC	Trail Boss	.500"	1.750"	8.0	738 fps	23,200 PSI	10.0	842 fps	28,000 PSI
	AR2205	.500"	1.750"	30.0	1,390 fps	39,900 PSI	33.0	1,509 fps	46,700 PSI
420 GR. BLT MTN PB	AR2205	.500"	1.765"	23.0	1,038 fps	28,700 PSI	27.0C	1,274 fps	31,600 PSI
440 GR. CPB LGC	Trail Boss	.500"	1.740"	6.0	600 fps	20,100 PSI	8.0	717 fps	24,800 PSI
	AR2205	.500"	1.740"	26.0	1,220 fps	34,400 PSI	30.0C	1,413 fps	48,300 PSI
				Case: S	tarline		Barrel le	ngth: 10"	
500 S&W Magnum				Twist: 1	:18"			gth: 1.615"	
300 SQVV Magnum					Winchester LI	>		J	
				1 11111011	Start load			Maximum le	
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
275 GR. BAR XPB	AR2205	.500"	2.085"	40.0	1,891 fps	41,000 PSI	44.0	2,047 fps	48,400 PSI
325 GR. BAR XPB	AR2205	.500"	2.290"	40.0	1,788 fps	40,700 PSI	43.0	1,920 fps	49,200 PSI
350 GR. HDY XTP	AR2205	.500"	1.985"	38.0	1,700 lps	41,400 PSI	42.5	1,863 fps	49,2001 SI 49,900 PSI
370 GR. CPB LGC	Trail Boss	.500"	2.020"	8.0	746 fps	13,500 PSI	12.0	926 fps	19,000 PSI
5.0 GR 51 B E00	AR2205	.500"	2.020"	40.0	1,688 fps	38,700 PSI	42.0	1,784 fps	48,900 PSI
375 GR. BAR XPB	AR2205 AR2205	.500"	2.020"	33.0	1,550 fps	38,000 PSI	36.8	1,764 lps	50,500 PSI
385 GR. REM. HP	AR2205	.500"	2.150"	37.0	1,644 fps	41,900 PSI	41.0	1,717 lps 1,788 fps	51,800 PSI
400 GR. SIE JSP	AR2205 AR2205	.500"	2.050"	36.5	1,585 fps	41,900 PSI 42,000 PSI	39.5	1,766 lps	49,100 PSI
440 GR. CPB LGC	Trail Boss	.500"	2.030				10.0	•	
THU GIN. OF D LOC	AR2205	.500"	2.025"	7.0	643 fps 1,496 fps	14,600 PSI 41,900 PSI	37.0	799 fps 1,609 fps	21,200 PSI 49,400 PSI
500 GR. HDY SP	AR2205 AR2205	.500"	2.025	30.0	1,496 fps 1,360 fps	41,900 PSI 42,300 PSI	32.2	1,609 fps 1,436 fps	49,400 PSI 49,300 PSI
1 000 GIV. I ID I OF	AINEEUU	.500	۷.005	30.0	1,300 105	72,JUU FJI	JZ.Z	1, 1 00 105	-1 3,300 F31

				Case: V	Vinchester (ref	omed)	Barrel le	ength: 24"	
17 Ackley Hornet				Twist: 1	:10"		Trim len	igth: 1.380"	
				Primer:	Remington 7	1/2			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
20 GR. HDY V-MAX	AR2205	.172"	1.800"	8.5	3,080 fps	41,200 CUP	9.2	3,238 fps	45,700 CUP
	AR2207	.172"	1.800"	11.5	3,246 fps	32,700 CUP	12.5C	3,515 fps	44,400 CUP
25 GR. HDY HP	AR2207	.172"	1.760"	10.9	3,015 fps	38,800 CUP	11.6	3,176 fps	45,900 CUP
	AR2219	.172"	1.760"	12.0	2,894 fps	42,500 CUP	13.0C	3,153 fps	45,400 CUP
30 GR. BER HP	AR2207	.172"	1.800"	10.0	2,711 fps	33,400 CUP	10.7	2,923 fps	45,600 CUP
	AR2219	.172"	1.800"	11.5	2,745 fps	36,100 CUP	12.2	2,984 fps	45,700 CUP
	Bench Mark 2	.172"	1.800"	12.2	2,900 fps	43,200 CUP	13.0C	2,975 fps	44,800 CUP
				Case: ⊢	lomady		Barrel le	ength: 24"	
17 Hornet				Twist: 1	:9"		Trim len	igth: 1.340"	
				Primer:	Federal 205M	1			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
20 GR. HDY V-MAX	AR2207	.172"	1.715"	11.0	3,226 fps	32,200 PSI	11.8C	3,463 fps	39,300 PSI
25 GR. HDY V-MAX	AR2207	.172"	1.715"	10.3	2,983 fps	34,900 PSI	11.1C	3,187 fps	42,500 PSI
	AR2219	.172"	1.715"	12.0	3,091 fps	30,600 PSI	12.8C	3,283 fps	36,200 PSI
30 GR. BER HP	AR2207	.172"	1.715"	10.0	2,815 fps	38,700 PSI	10.8C	3,024 fps	47,300 PSI
	AR2219	.172"	1.715"	11.7	2,853 fps	40,500 PSI	12.5C	3,020 fps	48,000 PSI
				Case: V	Vinchester (ref	omed)	Barrel le	ength: 22"	
17 Ackley Bee				Twist: 1	`	,		i gth: 1.325"	
17 Acidey Dec				Primer:	Winchester S	R			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
25 GR. HDY HP	AR2205	.172"	1.650"	10.0	2,910 fps	36,500 CUP	11.0	3,131 fps	45,300 CUP
	AR2207	.172"	1.650"	12.5	2,976 fps	32,400 CUP	13.5	3,365 fps	45,300 CUP
				Case: F	Remington		Barrel le	ength: 21.75"	
17 Mach IV				Twist: 1	ŭ			igth: 1.390"	
17 Maci IV					Winchester S	R		J	
					Start loa			Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
25 GR. HDY HP	AR2207	.172"	1.770"	15.0	3,237 fps	36,500 CUP	16.0	3,576 fps	49,800 CUP
- 	AR2206		-	16.5	3,300 fps	-	18.5	3,700 fps	.5,550 001

				Case: F	Remington		Barrel le	ength: 24"	
17 Remington Fire	hall			Twist: 1	•			igth: 1.400"	
17 Kernington i lie	Dali			Primer	Remington 7	1/2		J	
				T IIIIICI.			1	Massinassusa	
DII-4	Dden	Daillet Diam	001	0	Start loa	1	0	Maximum I	1
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
20 GR. HDY V-MAX	AR2207	.172"	1.830"	16.0	3,811 fps	39,200 CUP	17.3	4,037 fps	47,800 CUP
	AR2219	.172"	1.830"	18.0	3,652 fps	37,500 CUP	19.5C	4,019 fps	49,200 CUP
	Bench Mark 2	.172"	1.830"	18.5	3,758 fps	40,300 CUP	20.0C	4,013 fps	49,100 CUP
	Bench Mark 8208	.172"	1.830"	18.0	3,636 fps	33,900 CUP	20.2C	4,038 fps	44,700 CUP
25 GR. HDY HP	AR2207	.172"	1.800"	15.4	3,549 fps	40,500 CUP	17.0	3,789 fps	49,900 CUP
	AR2219	.172"	1.800"	17.0	3,504 fps	38,500 CUP	18.3	3,704 fps	48,900 CUP
	Bench Mark 2	.172"	1.800"	17.5	3,550 fps	41,900 CUP	19.0	3,745 fps	48,500 CUP
	Bench Mark 8208	.172"	1.800"	17.0	3,453 fps	34,900 CUP	19.2	3,854 fps	48,900 CUP
30 GR. BER HP	AR2207	.172"	1.800"	14.9	3,299 fps	42,400 CUP	15.9	3,481 fps	50,400 CUP
	AR2219	.172"	1.800"	16.5	3,295 fps	38,500 CUP	18.0	3,533 fps	49,300 CUP
	Bench Mark 2	.172"	1.800"	17.0	3,307 fps	39,700 CUP	18.7C	3,569 fps	49,400 CUP
	Bench Mark 8208	.172"	1.800"	16.5	3,316 fps	38,400 CUP	18.6	3,634 fps	50,200 CUP
				Case: R	Remington (ref	omed)	Barrel le	ength: 21.75"	
17-222				Twist: 1	I:10 "		Trim len	igth: 1.690"	
				Primer:	Winchester S	R			
					Start loa	de		Maximum I	nads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
25 GR. HDY HP	AR2207	.172"	2.070"	16.2	3,448 fps	42,500 CUP	17.2	3,601 fps	49,800 CUP
20 0101101111	AR2206	.172"	2.070"	19.0	3,415 fps		20.0	3,625 fps	-0,000 001
	AR2206H	.172"	2.070"	19.5	3,439 fps	39,800 CUP	20.5	3,646 fps	48,000 CUP
	7 11 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2	2.070			,		, ,	10,000 001
					Remington (ref	omed)		ength: 22"	
17-223				Twist: 1	I:10"		Trim len	igth: 1.750"	
				Primer:	Winchester S	R			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
25 GR. HDY HP	AR2206H	.172"	2.130"	21.0	3,681 fps	-	23.0	3,960 fps	-
				Caso. B	Reminaton		Rarrol la	ength: 24"	
47 Dansin of an				Twist: 1	J			ngth: 1.786"	
17 Remington						4/0		igui. 1.700	
				Primer:	Remington 7		1		
			1		Start loa			Maximum I	1
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
20 GR. HDY V-MAX	AR2219	.172"	2.170"	21.0	3,963 fps	37,500 CUP	23.2	4,292 fps	49,500 CUP
	Bench Mark 2	.172"	2.170"	22.0	3,985 fps	38,000 CUP	24.5	4,342 fps	50,500 CUP
	Bench Mark 8208	.172"	2.170"	24.0	4,138 fps	40,500 CUP	25.5	4,378 fps	48,500 CUP
	AR2206H	.172"	2.170"	23.0	4,037 fps	37,000 CUP	25.5C	4,436 fps	47,500 CUP
	AR2208	.172"	2.170"	23.5	3,936 fps	37,800 CUP	25.5C	4,208 fps	45,200 CUP
A- A- III	AR2219	.172"	2.150"	19.5	3,656 fps	40,500 CUP	21.8	3,921 fps	49,700 CUP
25 GR. HDY HP					3,791 fps	43,000 CUP	23.3	4,038 fps	50,600 CUP
25 GR. HDY HP	Bench Mark 2	.172"	2.150"	21.5					
25 GR. HDY HP		.172" .172"	2.150"	21.5	3,882 fps	42,800 CUP	24.2	4,072 fps	48,500 CUP
25 GR. HDY HP	Bench Mark 2					42,800 CUP 40,500 CUP	24.2 23.0	4,072 fps 4,033 fps	48,500 CUP
25 GR. HDY HP	Bench Mark 2 Bench Mark 8208	.172"	2.150"	22.7	3,882 fps			•	
25 GR. HDY HP 25 GR. REM HP	Bench Mark 2 Bench Mark 8208 AR2206H	.172" .172"	2.150" 2.150"	22.7 21.0	3,882 fps 3,760 fps	40,500 CUP	23.0	4,033 fps	48,500 CUP

				1					
					emington			ength: 24"	
17 Remington				Twist: 1	:9"		Trim len	gth: 1.786"	
				Primer:	Remington 7	1/2			
					Start load	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
30 GR. BER HP	AR2219	.172"	2.150"	18.0	3,311 fps	38,700 CUP	20.0	3,594 fps	49,800 CUP
	Bench Mark 2	.172"	2.150"	20.0	3,444 fps	43,200 CUP	22.0	3,709 fps	50,500 CUP
	Bench Mark 8208	.172"	2.150"	21.2	3,527 fps	42,900 CUP	22.6	3,700 fps	48,800 CUP
	AR2206H	.172"	2.150"	20.0	3,495 fps	44,000 CUP	22.0	3,696 fps	49,900 CUP
	AR2208	.172"	2.150"	20.0	3,405 fps	39,700 CUP	22.5	3,742 fps	49,700 CUP
				Case: W	/inchester (ref	ormed)	Barrel le	ength: 24"	
20 Tactical				Twist: 1	•			gth: 1.750"	
20 l'actical					Remington 7	1/0		9 00	
				Fillier.			1		
	T	T = " /= ·		_	Start load			Maximum I	1
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
33 GR. HDY V-MAX	AR2207	.204"	2.245"	20.0	3,434 fps	40,500 PSI	22.5	3,844 fps	55,100 PSI
	AR2219	.204"	2.245"	23.0	3,529 fps	42,900 PSI	25.5	3,852 fps	54,900 PSI
	Bench Mark 2	.204"	2.245"	23.0	3,506 fps	41,900 PSI	25.5	3,844 fps	54,500 PSI
	AR2206H	.204"	2.245"	25.0	3,573 fps	42,700 PSI	27.0C	3,800 fps	50,600 PSI
	AR2208	.204"	2.245"	25.0	3,344 fps	37,900 PSI	27.0C	3,659 fps	49,600 PSI
36 GR. BER HP	AR2207	.204"	2.200"	20.0	3,434 fps	45,000 PSI	22.0	3,675 fps	55,000 PSI
	AR2219	.204"	2.200"	22.0	3,434 fps	44,900 PSI	24.2	3,686 fps	54,500 PSI
						12 000 DCI	24.5	3,678 fps	54,400 PSI
	Bench Mark 2	.204"	2.200"	22.0	3,358 fps	42,000 PSI		•	
	AR2206H	.204"	2.200"	24.0	3,453 fps	42,900 PSI	26.5C	3,746 fps	54,900 PSI
								•	
	AR2206H	.204"	2.200"	24.0	3,453 fps 3,456 fps	42,900 PSI	26.5C 27.0C	3,746 fps	54,900 PSI
204 Ruger	AR2206H	.204"	2.200"	24.0 25.0	3,453 fps 3,456 fps omady	42,900 PSI	26.5C 27.0C	3,746 fps 3,681 fps	54,900 PSI
204 Ruger	AR2206H	.204"	2.200"	24.0 25.0 Case: H Twist: 1	3,453 fps 3,456 fps omady	42,900 PSI 45,200 PSI	26.5C 27.0C	3,746 fps 3,681 fps ength: 24"	54,900 PSI
204 Ruger	AR2206H	.204"	2.200"	24.0 25.0 Case: H Twist: 1	3,453 fps 3,456 fps omady :12" Federal 205IV	42,900 PSI 45,200 PSI	26.5C 27.0C	3,746 fps 3,681 fps ength: 24" gth: 1.840"	54,900 PSI 54,300 PSI
	AR2206H AR2208	.204"	2.200"	24.0 25.0 Case: H Twist: 1 Primer:	3,453 fps 3,456 fps omady :12" Federal 205IV Start load	42,900 PSI 45,200 PSI	26.5C 27.0C Barrel le Trim len	3,746 fps 3,681 fps angth: 24" gth: 1.840"	54,900 PSI 54,300 PSI oads
Bullet	AR2206H	.204"	2.200" 2.200"	24.0 25.0 Case: H Twist: 1 Primer: Grs.	3,453 fps 3,456 fps omady :12" Federal 205IV Start load	42,900 PSI 45,200 PSI	26.5C 27.0C	3,746 fps 3,681 fps ength: 24" egth: 1.840" Maximum I	54,900 PSI 54,300 PSI oads Pressure
	AR2206H AR2208 Powder	.204" .204" Bullet Diam.	2.200" 2.200" C.O.L. 2.290"	24.0 25.0 Case: H Twist: 1 Primer: Grs. 22.6	3,453 fps 3,456 fps omady :12" Federal 205IV Start load Velocity 4,294 fps	42,900 PSI 45,200 PSI 1 ds Pressure 54,100 PSI	26.5C 27.0C Barrel le Trim len Grs. 24.0	3,746 fps 3,681 fps ngth: 24" gth: 1.840" Maximum I Velocity 4,400 fps	54,900 PSI 54,300 PSI oads Pressure 56,600 PSI
Bullet	AR2206H AR2208 Powder AR2207 AR2219	.204" .204" Bullet Diam. .204"	2.200" 2.200" C.O.L. 2.290"	24.0 25.0 Case: H Twist: 1 Primer: Grs. 22.6 26.3	3,453 fps 3,456 fps omady :12" Federal 205IV Start load Velocity 4,294 fps 4,143 fps	42,900 PSI 45,200 PSI 45,200 PSI dis Pressure 54,100 PSI 48,700 PSI	26.5C 27.0C Barrel le Trim len Grs. 24.0 28.0	3,746 fps 3,681 fps ength: 24" gth: 1.840" Maximum I Velocity 4,400 fps 4,358 fps	54,900 PSI 54,300 PSI oads Pressure 56,600 PSI 56,000 PSI
Bullet	AR2206H AR2208 Powder AR2207 AR2219 Bench Mark 2	.204" .204" .204" .204" .204" .204"	2.200" 2.200" C.O.L. 2.290" 2.290"	24.0 25.0 Case: H Twist: 1 Primer: Grs. 22.6 26.3 27.3	3,453 fps 3,456 fps omady :12" Federal 205IV Start load Velocity 4,294 fps 4,143 fps 4,109 fps	42,900 PSI 45,200 PSI ds Pressure 54,100 PSI 48,700 PSI 45,500 PSI	26.5C 27.0C Barrel le Trim len Grs. 24.0 28.0 29.0	3,746 fps 3,681 fps ength: 24" egth: 1.840" Maximum I Velocity 4,400 fps 4,358 fps 4,373 fps	54,900 PSI 54,300 PSI oads Pressure 56,600 PSI 56,000 PSI 54,500 PSI
Bullet	Powder AR2207 AR2219 Bench Mark 2 Bench Mark 8208	.204" .204" Bullet Diam. .204" .204" .204"	2.200" 2.200" C.O.L. 2.290" 2.290" 2.290"	24.0 25.0 Case: H Twist: 1 Primer: 22.6 26.3 27.3 27.0	3,453 fps 3,456 fps omady :12" Federal 205IV Start load Velocity 4,294 fps 4,143 fps 4,109 fps 3,997 fps	42,900 PSI 45,200 PSI 45,200 PSI dis Pressure 54,100 PSI 48,700 PSI 45,500 PSI 40,600 PSI	26.5C 27.0C Barrel le Trim len Grs. 24.0 28.0 29.0 30.0C	3,746 fps 3,681 fps ength: 24" egth: 1.840" Maximum I Velocity 4,400 fps 4,358 fps 4,373 fps 4,447 fps	54,900 PSI 54,300 PSI 54,300 PSI 56,600 PSI 56,000 PSI 56,000 PSI
Bullet 24 GR. HDY NTX	AR2206H AR2208 Powder AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H	.204" .204" Bullet Diam. .204" .204" .204" .204"	2.200" 2.200" C.O.L. 2.290" 2.290" 2.290" 2.290"	24.0 25.0 Case: H Twist: 1 Primer: 22.6 26.3 27.3 27.0 27.0	3,453 fps 3,456 fps omady :12" Federal 205IV Start load Velocity 4,294 fps 4,143 fps 4,109 fps 3,997 fps 4,061 fps	42,900 PSI 45,200 PSI ds Pressure 54,100 PSI 48,700 PSI 45,500 PSI 40,600 PSI 43,400 PSI	26.5C 27.0C Barrel le Trim len Grs. 24.0 28.0 29.0 30.0C 29.5C	3,746 fps 3,681 fps ength: 24" gth: 1.840" Maximum I Velocity 4,400 fps 4,358 fps 4,373 fps 4,447 fps 4,423 fps	54,900 PSI 54,300 PSI 54,300 PSI 56,600 PSI 54,500 PSI 56,000 PSI 54,900 PSI
Bullet	Powder AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2207	.204" .204" .204" .204" .204" .204" .204" .204"	2.200" 2.200" C.O.L. 2.290" 2.290" 2.290" 2.290" 2.290" 2.290"	24.0 25.0 Case: H Twist: 1 Primer: Grs. 22.6 26.3 27.3 27.0 27.0 23.0	3,453 fps 3,456 fps ornady :12" Federal 205IV Start load Velocity 4,294 fps 4,143 fps 4,109 fps 3,997 fps 4,061 fps 4,124 fps	42,900 PSI 45,200 PSI ds Pressure 54,100 PSI 48,700 PSI 45,500 PSI 40,600 PSI 43,400 PSI 54,100 PSI	26.5C 27.0C Barrel le Trim len Grs. 24.0 28.0 29.0 30.0C 29.5C 24.5	3,746 fps 3,681 fps ength: 24" egth: 1.840" Maximum I Velocity 4,400 fps 4,358 fps 4,373 fps 4,447 fps 4,423 fps 4,258 fps	54,900 PSI 54,300 PSI 54,300 PSI 56,600 PSI 54,500 PSI 54,900 PSI 57,300 PSI
Bullet 24 GR. HDY NTX	Powder AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2207 AR2219	.204" .204" .204" .204" .204" .204" .204" .204" .204"	2.200" 2.200" C.O.L. 2.290" 2.290" 2.290" 2.290" 2.250"	24.0 25.0 Case: H Twist: 1 Primer: 22.6 26.3 27.3 27.0 27.0 23.0 25.9	3,453 fps 3,456 fps omady :12" Federal 205IV Start load Velocity 4,294 fps 4,143 fps 4,109 fps 3,997 fps 4,061 fps 4,124 fps 4,055 fps	42,900 PSI 45,200 PSI 45,200 PSI dis Pressure 54,100 PSI 45,500 PSI 40,600 PSI 43,400 PSI 54,100 PSI 54,100 PSI 52,200 PSI	26.5C 27.0C Barrel let Trim len Grs. 24.0 28.0 29.0 30.0C 29.5C 24.5 27.5	3,746 fps 3,681 fps ength: 24" egth: 1.840" Maximum I Velocity 4,400 fps 4,358 fps 4,373 fps 4,447 fps 4,423 fps 4,258 fps 4,229 fps	54,900 PSI 54,300 PSI 54,300 PSI 56,600 PSI 56,000 PSI 54,500 PSI 54,900 PSI 57,300 PSI 57,300 PSI
Bullet 24 GR. HDY NTX	Powder AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2207 AR2219 Bench Mark 8208	204" 204" Bullet Diam. 204" 204" 204" 204" 204" 204" 204" 204"	2.200" 2.200" C.O.L. 2.290" 2.290" 2.290" 2.290" 2.250" 2.250"	24.0 25.0 Case: H Twist: 1 Primer: 22.6 26.3 27.3 27.0 27.0 23.0 25.9 27.0	3,453 fps 3,456 fps ornady :12" Federal 205IV Start load Velocity 4,294 fps 4,143 fps 4,109 fps 3,997 fps 4,061 fps 4,124 fps 4,055 fps 4,036 fps	42,900 PSI 45,200 PSI ds Pressure 54,100 PSI 48,700 PSI 45,500 PSI 40,600 PSI 43,400 PSI 54,100 PSI 52,200 PSI 47,600 PSI	26.5C 27.0C Barrel le Trim len Grs. 24.0 28.0 29.0 30.0C 29.5C 24.5 27.5 28.7	3,746 fps 3,681 fps ngth: 24" gth: 1.840" Maximum I Velocity 4,400 fps 4,358 fps 4,373 fps 4,447 fps 4,423 fps 4,258 fps 4,229 fps 4,279 fps	54,900 PSI 54,300 PSI 54,300 PSI Pressure 56,600 PSI 54,500 PSI 54,900 PSI 57,300 PSI 57,100 PSI 56,700 PSI
Bullet 24 GR. HDY NTX	Powder AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2207 AR2219 Bench Mark 8208	204" 204" Bullet Diam. 204" 204" 204" 204" 204" 204" 204" 204"	2.200" 2.200" C.O.L. 2.290" 2.290" 2.290" 2.250" 2.250" 2.250"	24.0 25.0 Case: H Twist: 1 Primer: 22.6 26.3 27.3 27.0 27.0 23.0 25.9 27.7	3,453 fps 3,456 fps omady :12" Federal 205IV Start load Velocity 4,294 fps 4,143 fps 4,109 fps 3,997 fps 4,061 fps 4,124 fps 4,055 fps 4,036 fps 4,132 fps	42,900 PSI 45,200 PSI ds Pressure 54,100 PSI 48,700 PSI 40,600 PSI 43,400 PSI 52,200 PSI 47,600 PSI 48,400 PSI	26.5C 27.0C Barrel le Trim len Grs. 24.0 28.0 29.0 30.0C 29.5C 24.5 27.5 28.7 29.5C	3,746 fps 3,681 fps ngth: 24" gth: 1.840" Maximum I Velocity 4,400 fps 4,358 fps 4,373 fps 4,447 fps 4,423 fps 4,229 fps 4,279 fps 4,309 fps	54,900 PSI 54,300 PSI 54,300 PSI 56,600 PSI 56,000 PSI 54,500 PSI 54,900 PSI 57,300 PSI 57,100 PSI 56,700 PSI 54,900 PSI
Bullet 24 GR. HDY NTX	Powder AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2207 AR2219 Bench Mark 8208	.204" .204" Bullet Diam204" .204" .204" .204" .204" .204" .204" .204" .204" .204" .204"	2.200" 2.200" C.O.L. 2.290" 2.290" 2.290" 2.250" 2.250" 2.250" 2.250"	24.0 25.0 Case: H Twist: 1 Primer: 22.6 26.3 27.3 27.0 27.0 23.0 25.9 27.0 27.7 28.2	3,453 fps 3,456 fps omady :12" Federal 205IV Start load Velocity 4,294 fps 4,143 fps 4,109 fps 3,997 fps 4,061 fps 4,055 fps 4,036 fps 4,036 fps 4,067 fps	42,900 PSI 45,200 PSI 45,200 PSI ds Pressure 54,100 PSI 45,500 PSI 40,600 PSI 43,400 PSI 52,200 PSI 47,600 PSI 48,400 PSI 48,900 PSI	26.5C 27.0C Barrel let Trim len Grs. 24.0 28.0 29.0 30.0C 29.5C 24.5 27.5 28.7 29.5C 30.0C	3,746 fps 3,681 fps ngth: 24" gth: 1.840" Maximum I Velocity 4,400 fps 4,358 fps 4,373 fps 4,447 fps 4,423 fps 4,258 fps 4,229 fps 4,279 fps 4,309 fps 4,302 fps	54,900 PSI 54,300 PSI 54,300 PSI 56,600 PSI 56,000 PSI 54,500 PSI 54,900 PSI 57,300 PSI 57,100 PSI 56,700 PSI 56,700 PSI 54,900 PSI
Bullet 24 GR. HDY NTX	Powder AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2219 Bench Mark 8208 AR2206H AR2219 Bench Mark 2	204" 204" Bullet Diam. 204" 204" 204" 204" 204" 204" 204" 204"	2.200" 2.200" C.O.L. 2.290" 2.290" 2.290" 2.250" 2.250" 2.250"	24.0 25.0 Case: H Twist: 1 Primer: 22.6 26.3 27.3 27.0 27.0 23.0 25.9 27.7	3,453 fps 3,456 fps ornady :12" Federal 205IV Start load Velocity 4,294 fps 4,143 fps 4,109 fps 3,997 fps 4,061 fps 4,055 fps 4,036 fps 4,132 fps 4,067 fps 3,962 fps	42,900 PSI 45,200 PSI ds Pressure 54,100 PSI 48,700 PSI 40,600 PSI 43,400 PSI 52,200 PSI 47,600 PSI 48,400 PSI	26.5C 27.0C Barrel le Trim len Grs. 24.0 28.0 29.0 30.0C 29.5C 24.5 27.5 28.7 29.5C	3,746 fps 3,681 fps 3,681 fps ength: 24" gth: 1.840" Maximum I Velocity 4,400 fps 4,358 fps 4,373 fps 4,447 fps 4,423 fps 4,229 fps 4,229 fps 4,309 fps 4,302 fps 4,110 fps	54,900 PSI 54,300 PSI 54,300 PSI 56,600 PSI 56,000 PSI 54,500 PSI 54,900 PSI 57,300 PSI 57,100 PSI 56,700 PSI 54,900 PSI
Bullet 24 GR. HDY NTX 26 GR. BAR VG FB	Powder AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2207 AR2219 Bench Mark 8208 AR2206H AR2207 AR2219 AR2206 AR2206 AR2208 AR2208	204" 204" Bullet Diam. 204" 204" 204" 204" 204" 204" 204" 204"	2.200" 2.200" C.O.L. 2.290" 2.290" 2.290" 2.250" 2.250" 2.250" 2.250" 2.250" 2.250"	24.0 25.0 Case: H Twist: 1 Primer: 22.6 26.3 27.3 27.0 27.0 23.0 25.9 27.7 28.2 27.5 22.2	3,453 fps 3,456 fps omady :12" Federal 205IV Start load Velocity 4,294 fps 4,143 fps 4,109 fps 3,997 fps 4,061 fps 4,055 fps 4,036 fps 4,132 fps 4,067 fps 3,962 fps 3,789 fps	42,900 PSI 45,200 PSI ds Pressure 54,100 PSI 48,700 PSI 45,500 PSI 40,600 PSI 43,400 PSI 54,100 PSI 52,200 PSI 47,600 PSI 48,400 PSI 48,900 PSI 48,900 PSI 47,500 PSI 45,100 PSI	26.5C 27.0C Barrel le Trim len Grs. 24.0 28.0 29.0 30.0C 29.5C 24.5 27.5 28.7 29.5C 30.0C 30.0C 30.0C	3,746 fps 3,681 fps ngth: 24" gth: 1.840" Maximum I Velocity 4,400 fps 4,358 fps 4,373 fps 4,447 fps 4,423 fps 4,229 fps 4,229 fps 4,309 fps 4,302 fps 4,073 fps	54,900 PSI 54,300 PSI 54,300 PSI 56,600 PSI 56,000 PSI 54,500 PSI 54,900 PSI 57,300 PSI 57,100 PSI 54,900 PSI 57,300 PSI 57,300 PSI 57,300 PSI 57,300 PSI 57,300 PSI
Bullet 24 GR. HDY NTX 26 GR. BAR VG FB	Powder AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2219 AR2219 AR2219 AR2219 AR2219 AR2219 AR2206H AR2206H AR2206H AR2208 AR2207 AR2219	.204" .204" .204" .204" .204" .204" .204" .204" .204" .204" .204" .204" .204" .204" .204" .204" .204" .204"	2.200" 2.200" C.O.L. 2.290" 2.290" 2.290" 2.250" 2.250" 2.250" 2.250" 2.250" 2.250" 2.253"	24.0 25.0 Case: H Twist: 1 Primer: 22.6 26.3 27.3 27.0 27.0 23.0 25.9 27.0 27.7 28.2 27.5 22.2 24.5	3,453 fps 3,456 fps omady :12" Federal 205IV Start load Velocity 4,294 fps 4,143 fps 4,109 fps 3,997 fps 4,061 fps 4,055 fps 4,036 fps 4,036 fps 4,067 fps 3,962 fps 3,789 fps 3,740 fps	42,900 PSI 45,200 PSI 45,200 PSI ds Pressure 54,100 PSI 48,700 PSI 40,600 PSI 43,400 PSI 52,200 PSI 47,600 PSI 48,900 PSI 48,900 PSI 47,500 PSI 48,900 PSI 47,500 PSI 44,500 PSI	26.5C 27.0C Barrel let Trim len Grs. 24.0 28.0 29.0 30.0C 29.5C 24.5 27.5 28.7 29.5C 30.0C 30.0C 24.2 26.6	3,746 fps 3,681 fps ngth: 24" gth: 1.840" Maximum I Velocity 4,400 fps 4,358 fps 4,373 fps 4,423 fps 4,258 fps 4,229 fps 4,279 fps 4,302 fps 4,302 fps 4,073 fps 4,054 fps	54,900 PSI 54,300 PSI 54,300 PSI 56,600 PSI 56,000 PSI 54,500 PSI 54,900 PSI 57,300 PSI 57,100 PSI 54,900 PSI 57,300 PSI 51,000 PSI 51,000 PSI 51,000 PSI 56,300 PSI
Bullet 24 GR. HDY NTX 26 GR. BAR VG FB	Powder AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2207 AR2219 Bench Mark 8208 AR2219 Bench Mark 8208 AR2206H AR2208 AR2207 AR2219 Bench Mark 8208	.204" .204"	2.200" 2.200" C.O.L. 2.290" 2.290" 2.290" 2.250" 2.250" 2.250" 2.250" 2.250" 2.250" 2.250" 2.250" 2.250"	24.0 25.0 Case: H Twist: 1 Primer: 22.6 26.3 27.3 27.0 23.0 25.9 27.0 27.7 28.2 27.5 22.2 24.5 25.7	3,453 fps 3,456 fps omady :12" Federal 205IV Start load Velocity 4,294 fps 4,109 fps 4,109 fps 4,061 fps 4,055 fps 4,036 fps 4,036 fps 4,036 fps 4,037 fps 3,962 fps 3,789 fps 3,740 fps 3,754 fps	42,900 PSI 45,200 PSI 45,200 PSI dis Pressure 54,100 PSI 45,500 PSI 40,600 PSI 43,400 PSI 52,200 PSI 47,600 PSI 48,400 PSI 48,400 PSI 48,900 PSI 47,500 PSI 45,100 PSI 44,500 PSI 44,500 PSI	26.5C 27.0C Barrel le Trim len Grs. 24.0 28.0 29.0 30.0C 29.5C 24.5 27.5 28.7 29.5C 30.0C 30.0C 24.2 26.6 28.0	3,746 fps 3,681 fps 3,681 fps ength: 24" gth: 1.840" Maximum I Velocity 4,400 fps 4,358 fps 4,373 fps 4,447 fps 4,423 fps 4,229 fps 4,229 fps 4,309 fps 4,302 fps 4,110 fps 4,073 fps 4,074 fps	54,900 PSI 54,300 PSI 54,300 PSI 56,600 PSI 56,000 PSI 54,500 PSI 54,900 PSI 57,300 PSI 56,700 PSI 57,300 PSI 51,000 PSI 51,000 PSI 56,300 PSI 56,300 PSI 56,800 PSI
Bullet 24 GR. HDY NTX 26 GR. BAR VG FB	Powder AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2207 AR2219 Bench Mark 8208 AR2206H AR2207 AR2219 Bench Mark 8208 AR2206H AR2208 AR2208 AR2208 Bench Mark 8208 AR2207 AR2219 Bench Mark 8208	204" 204" Bullet Diam. 204" 204" 204" 204" 204" 204" 204" 204"	2.200" 2.200" C.O.L. 2.290" 2.290" 2.290" 2.250" 2.250" 2.250" 2.250" 2.250" 2.255" 2.235" 2.235"	24.0 25.0 Case: H Twist: 1 Primer: 22.6 26.3 27.3 27.0 27.0 23.0 25.9 27.7 28.2 27.5 22.2 24.5 25.7 26.7	3,453 fps 3,456 fps omady :12" Federal 205IV Start load Velocity 4,294 fps 4,143 fps 4,109 fps 3,997 fps 4,061 fps 4,124 fps 4,036 fps 4,036 fps 4,036 fps 3,762 fps 3,769 fps 3,7740 fps 3,7754 fps 3,798 fps	42,900 PSI 45,200 PSI ds Pressure 54,100 PSI 48,700 PSI 45,500 PSI 40,600 PSI 43,400 PSI 54,100 PSI 47,600 PSI 48,400 PSI 48,900 PSI 48,900 PSI 44,500 PSI 44,500 PSI 44,500 PSI	26.5C 27.0C Barrel le Trim len Grs. 24.0 28.0 29.0 30.0C 29.5C 24.5 27.5 28.7 29.5C 30.0C 30.0C 24.2 26.6 28.0 28.8	3,746 fps 3,681 fps ngth: 24" gth: 1.840" Maximum I Velocity 4,400 fps 4,358 fps 4,373 fps 4,447 fps 4,423 fps 4,258 fps 4,229 fps 4,279 fps 4,302 fps 4,302 fps 4,073 fps 4,074 fps 4,075 fps 4,076 fps 4,118 fps	54,900 PSI 54,300 PSI 54,300 PSI 56,600 PSI 56,000 PSI 54,500 PSI 54,900 PSI 57,300 PSI 57,300 PSI 57,300 PSI 57,300 PSI 57,300 PSI 57,300 PSI 56,700 PSI 56,700 PSI 56,700 PSI 56,700 PSI 56,700 PSI 56,700 PSI 56,700 PSI
Bullet 24 GR. HDY NTX 26 GR. BAR VG FB	Powder AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2219 Bench Mark 8208 AR2219 Bench Mark 8208 AR2206H AR2208 AR2208 AR2207 AR2219 Bench Mark 8208 AR2206H AR2208 AR2207 AR2219 Bench Mark 8208 AR2207 AR2219 Bench Mark 8208 AR2206H	204" 204" 204" 204" 204" 204" 204" 204"	2.200" 2.200" C.O.L. 2.290" 2.290" 2.290" 2.250" 2.250" 2.250" 2.250" 2.250" 2.255" 2.235" 2.235" 2.235" 2.235"	24.0 25.0 Case: H Twist: 1 Primer: 22.6 26.3 27.3 27.0 27.0 23.0 25.9 27.0 27.7 28.2 27.5 22.2 24.5 25.7 26.7 26.2	3,453 fps 3,456 fps omady :12" Federal 205IV Start load Velocity 4,294 fps 4,143 fps 4,109 fps 3,997 fps 4,061 fps 4,055 fps 4,036 fps 4,036 fps 4,067 fps 3,762 fps 3,789 fps 3,740 fps 3,798 fps 3,798 fps 3,800 fps	42,900 PSI 45,200 PSI 45,200 PSI ds Pressure 54,100 PSI 48,700 PSI 45,500 PSI 43,400 PSI 47,600 PSI 48,400 PSI 48,900 PSI 48,900 PSI 47,500 PSI 44,500 PSI 44,500 PSI 44,500 PSI 44,500 PSI	26.5C 27.0C Barrel let Trim len Grs. 24.0 28.0 29.0 30.0C 29.5C 24.5 27.5 28.7 29.5C 30.0C 30.0C 24.2 26.6 28.0 28.8 28.5	3,746 fps 3,681 fps ngth: 24" gth: 1.840" Maximum I Velocity 4,400 fps 4,358 fps 4,373 fps 4,447 fps 4,258 fps 4,229 fps 4,279 fps 4,302 fps 4,302 fps 4,073 fps 4,074 fps 4,075 fps 4,075 fps 4,118 fps 4,124 fps	54,900 PSI 54,300 PSI 54,300 PSI 56,600 PSI 56,000 PSI 54,500 PSI 54,900 PSI 57,300 PSI 57,300 PSI 57,300 PSI 56,700 PSI 51,000 PSI 56,300 PSI 56,300 PSI 56,800 PSI 56,800 PSI
Bullet 24 GR. HDY NTX 26 GR. BAR VG FB	Powder AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2207 AR2219 Bench Mark 8208 AR2206H AR2207 AR2219 Bench Mark 8208 AR2206H AR2208 AR2208 AR2208 Bench Mark 8208 AR2207 AR2219 Bench Mark 8208	204" 204" Bullet Diam. 204" 204" 204" 204" 204" 204" 204" 204"	2.200" 2.200" C.O.L. 2.290" 2.290" 2.290" 2.250" 2.250" 2.250" 2.250" 2.250" 2.255" 2.235" 2.235"	24.0 25.0 Case: H Twist: 1 Primer: 22.6 26.3 27.3 27.0 27.0 23.0 25.9 27.7 28.2 27.5 22.2 24.5 25.7 26.7	3,453 fps 3,456 fps omady :12" Federal 205IV Start load Velocity 4,294 fps 4,143 fps 4,109 fps 3,997 fps 4,061 fps 4,124 fps 4,036 fps 4,036 fps 4,036 fps 3,762 fps 3,769 fps 3,7740 fps 3,7754 fps 3,798 fps	42,900 PSI 45,200 PSI ds Pressure 54,100 PSI 48,700 PSI 45,500 PSI 40,600 PSI 43,400 PSI 54,100 PSI 47,600 PSI 48,400 PSI 48,900 PSI 48,900 PSI 44,500 PSI 44,500 PSI 44,500 PSI	26.5C 27.0C Barrel le Trim len Grs. 24.0 28.0 29.0 30.0C 29.5C 24.5 27.5 28.7 29.5C 30.0C 30.0C 24.2 26.6 28.0 28.8	3,746 fps 3,681 fps ngth: 24" gth: 1.840" Maximum I Velocity 4,400 fps 4,358 fps 4,373 fps 4,447 fps 4,423 fps 4,258 fps 4,229 fps 4,279 fps 4,302 fps 4,302 fps 4,073 fps 4,074 fps 4,075 fps 4,076 fps 4,118 fps	54,900 PSI 54,300 PSI 54,300 PSI 56,600 PSI 56,000 PSI 56,000 PSI 54,900 PSI 57,300 PSI 57,300 PSI 57,300 PSI 57,300 PSI 57,300 PSI 57,300 PSI 56,700 PSI 56,700 PSI 56,700 PSI 56,700 PSI 56,700 PSI 56,700 PSI

				Case: H	lomady		Barrel le	ength: 24"	
204 Ruger				Twist: 1	:12"		Trim len	igth: 1.840"	
				Primer:	Federal 205N	1			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
	Bench Mark 8208	.204"	2.250"	27.5	3,917 fps	47,500 PSI	29.0	4,130 fps	56,500 PSI
	AR2206H	.204"	2.250"	27.0	3,669 fps	40,500 PSI	29.0C	3,980 fps	51,100 PSI
	AR2208	.204"	2.250"	27.0	3,557 fps	38,300 PSI	29.0C	3,798 fps	47,400 PSI
35 GR. BER HP	AR2219	.204"	2.240"	24.0	3,586 fps	45,600 PSI	26.3	3,828 fps	55,400 PSI
	Bench Mark 2	.204"	2.240"	25.0	3,590 fps	44,100 PSI	26.6	3,863 fps	56,600 PSI
	Bench Mark 8208	.204"	2.240"	27.0	3,830 fps	50,700 PSI	28.2	3,961 fps	56,300 PSI
	AR2206H	.204"	2.240"	26.0	3,576 fps	42,200 PSI	28.2C	3,910 fps	55,700 PSI
	AR2208	.204"	2.240"	28.0	3,705 fps	48,300 PSI	29.0C	3,812 fps	53,100 PSI
40 GR. HDY V-MAX	AR2219	.204"	2.250"	23.0	3,319 fps	41,500 PSI	25.1	3,639 fps	55,900 PSI
	Bench Mark 2	.204"	2.250"	24.0	3,419 fps	45,200 PSI	25.7	3,646 fps	55,400 PSI
	Bench Mark 8208	.204"	2.250"	26.0	3,586 fps	48,300 PSI	27.3	3,754 fps	56,300 PSI
	AR2206H	.204"	2.250"	26.0	3,500 fps	45,500 PSI	27.7C	3,741 fps	56,000 PSI
	AR2208	.204"	2.250"	26.0	3,395 fps	44,100 PSI	28.1C	3,647 fps	55,100 PSI
50 GR. BER HPBT	AR2219	.204"	2.300"	22.0	3,105 fps	48,300 PSI	23.5	3,252 fps	55,100 PSI
	Bench Mark 2	.204"	2.300"	22.5	3,110 fps	47,800 PSI	24.0	3,256 fps	54,300 PSI
	Bench Mark 8208	.204"	2.300"	23.0	3,129 fps	47,800 PSI	24.9	3,327 fps	56,100 PSI
	AR2206H	.204"	2.300"	24.0	3,167 fps	46,900 PSI	25.7	3,352 fps	56,000 PSI
	AR2208	.204"	2.300"	24.0	3,071 fps	44,900 PSI	26.0	3,287 fps	55,200 PSI
				Case: V	Vinchester		Barrel le	ength: 24"	
22 Hornet				Twist: 1	:16"		Trim len	igth: 1.393"	
				Primer:	Winchester S	R			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
35 GR. HDY V-MAX	AR2205	.224"	1.725"	10.5	2,630 fps	35,600 CUP	11.6C	2,896 fps	42,500 CUP
	AR2207	.224"	1.725"	10.5	2,223 fps	23,100 CUP	11.5C	2,420 fps	26,300 CUP
40 GR. SPR SP	AR2205	.224"	1.725"	9.0	2,421 fps	39,900 CUP	10.2	2,567 fps	43,000 CUP
	AR2207	.224"	1.725"	10.5	2,253 fps	26,100 CUP	11.5C	2,488 fps	32,800 CUP
45 GR. BAR XBT	AR2205	.224"	1.850"	8.5	2,198 fps	37,000 CUP	9.8	2,346 fps	42,700 CUP
	AR2207	.224"	1.850"	10.5	2,217 fps	31,500 CUP	11.5C	2,390 fps	36,900 CUP
45 GR. HDY SP	AR2207	.224"	1.750"	10.5	2,239 fps	28,000 CUP	11.5C	2,400 fps	32,000 CUP
50 GR. SIE SP	AR2205	.224"	1.850"	8.4	2,131 fps	39,700 CUP	9.4	2,256 fps	41,800 CUP
	AR2207	.224"	1.850"	10.5	2,102 fps	28,200 CUP	11.5C	2,296 fps	34,100 CUP
53 GR. BAR XFB	AR2205	.224"	1.850"	8.0	1,887 fps	37,600 CUP	8.7	2,062 fps	43,000 CUP
	AR2207	.224"	1.850"	10.0	2,025 fps	31,600 CUP	11.0C	2,165 fps	40,600 CUP
55 GR. HDY SP	AR2205	.224"	1.850"	8.0	1,915 fps	41,800 CUP	9.0	2,095 fps	43,000 CUP
	AR2207	.224"	1.850"	10.0	1,955 fps	30,000 CUP	11.5C	2,273 fps	41,000 CUP

				Case: V	Vinchester (ref	formed)	Barrel le	ength: 24"	
22 K Hornet				Twist: 1	:14"		Trim len	gth: 1.393"	
				Primer:	Winchester S	R			
				1 1111011	Start loa			Maximum I	nade
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
35 GR. HDY V-MAX	AR2205	.224"	1.725"	11.0	2,809 fps	39.500 CUP	12.3	3,023 fps	46,000 CUP
40 GR. NOS BT	AR2205	.224"	1.723	11.0	2,684 fps	37.500 CUP	12.3C	2,871 fps	45,500 CUP
45 GR. BAR XBT	AR2205	.224"	1.850"	10.5	2,524 fps	40,900 CUP	11.3	2,633 fps	45,300 CUP
45 GR. SPR SP	AR2205	.224"	1.750"	10.3	2,574 fps	40,700 CUP	11.7	2,747 fps	45,500 CUP
50 GR. SIE BK	AR2205	.224"	1.730"	10.7	2,374 lps 2,398 fps	40,700 CUP	11.0	2,747 lps 2,538 fps	45,700 CUP
30 GR. SIE BR	AR2207	.224"	1.900"	11.5	2,396 lps 2,246 fps	30,100 CUP	12.5C	2,460 fps	38,700 CUP
53 GR. BAR XFB		.224"			•	,			•
53 GR. DAR AFD	AR2205		1.850"	9.5	2,208 fps	39,000 CUP	10.5	2,366 fps	45,900 CUP
EE OD LIDVOD	AR2207	.224"	1.850"	11.2	2,195 fps	30,200 CUP	12.5C	2,386 fps	42,600 CUP
55 GR. HDY SP	AR2205	.224"	1.850"	10.0	2,315 fps	43,400 CUP	11.0	2,445 fps	46,100 CUP
	AR2207	.224"	1.850"	11.5	2,223 fps	31,100 CUP	12.5C	2,388 fps	39,400 CUP
				Case: V	Vinchester		Barrel le	ength: 24"	
218 Bee				Twist: 1	:16"		Trim len	igth: 1.335"	
				Primer:	Winchester S	R			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
35 GR. HDY V-MAX	AR2205	.224"	1.650"	11.0	2,656 fps	30,400 CUP	13.3	3,035 fps	38,300 CUP
40 GR. SIE BK	AR2205	.224"	1.820"	11.0	2,608 fps	33,800 CUP	12.8	2,865 fps	38,700 CUP
46 GR. SPR JFP	AR2205	.224"	1.670"	9.0	2,143 fps	23,300 CUP	10.7	2,424 fps	38,200 CUP
	AR2207	.224"	1.670"	13.5	2,417 fps	26,700 CUP	15.0C	2,708 fps	37,200 CUP
50 GR. NOS BT	AR2205	.224"	1.900"	9.5	2,195 fps	29,500 CUP	10.8	2,421 fps	38,400 CUP
00 0141100 21	AR2207	.224"	1.900"	13.5	2,420 fps	29,500 CUP	14.9C	2,654 fps	38,500 CUP
		1	1.000			20,000 001			00,000 001
					Remington			ength: 24"	
221 Remington Fire	eball			Twist: 1	:14"		Trim len	igth: 1.390"	
				Primer:	Remington 7	1/2			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
35 GR. HDY V-MAX	AR2205	.224"	1.745"	14.8	3,110 fps	37,500 CUP	16.5	3,403 fps	50,600 CUP
	AR2207	.224"	1.745"	18.0	3,056 fps	31,900 CUP	20.0C	3,423 fps	44,700 CUP
36 GR. BAR VG FB	AR2207	.224"	1.830"	18.0	3,177 fps	35,000 CUP	19.0C	3,361 fps	41,500 CUP
40 GR. NOS BT	AR2205	.224"	1.830"	14.5	3,042 fps	43,100 CUP	16.0	3,251 fps	50,200 CUP
	AR2207	.224"	1.830"	17.0	2,851 fps	30,000 CUP	19.0C	3,195 fps	40,300 CUP
	AR2219	.224"	1.830"	19.7	2,883 fps	33,200 CUP	21.0C	3,087 fps	39,100 CUP
45 GR. BAR X	AR2205	.224"	1.830"	13.8	2,848 fps	43,500 CUP	15.3	3,015 fps	48,600 CUP
	AR2207	.224"	1.830"	17.6	2,934 fps	37,200 CUP	19.5C	3,184 fps	46,500 CUP
	AR2219	.224"	1.830"	19.0	2,762 fps	31,600 CUP	20.5C	2,978 fps	39,900 CUP
45 GR. SIE SPT	AR2205	.224"	1.800"	14.0	2,872 fps	40,900 CUP	15.7	3,078 fps	49,100 CUP
	AR2207	.224"	1.800"	17.5	2,851 fps	31,700 CUP	19.5C	3,178 fps	43,700 CUP
	AR2219	.224"	1.800"	19.0	2,767 fps	31,400 CUP	20.5C	2,955 fps	37,000 CUP
50 GR. SPR TNT HP	AR2205	.224"	1.830"	13.0	2,629 fps	36,500 CUP	14.8	2,901 fps	51,200 CUP
	AR2207	.224"	1.830"	16.5	2,661 fps	27,800 CUP	18.5C	2,996 fps	40,800 CUP
	AR2219	.224"	1.830"	19.0	2,703 fps	31,600 CUP	21.0C	2,968 fps	40,100 CUP
52 GR. SIE HPBT	AR2205	.224"	1.830"	13.0	2,612 fps	40,900 CUP	14.5	2,798 fps	48,100 CUP
JE GIV. OIL LIE DI	AR2207	.224"	1.830"	16.7	2,692 fps	33,700 CUP	18.5C	2,796 lps 2,967 fps	45,300 CUP
	1 (71)4401	.224	1.000	1 10.7	2,U32 IDS	1 33,700 000	10.50	,JU1 IUS	1 7J.JUU CUP

AR2219

.224"

1.830"

18.9

2,693 fps

35,100 CUP

2,987 fps | 46,800 CUP

21.0C

				Case: F	Remington		Barrel le	ength: 24"	
221 Dominaton Eir	oboli			Twist: 1	-			ngth: 1.390"	
221 Remington Fire	enali					1/0		.ga.ii 1.000	
				Primer.	Remington 7		1		
			_		Start loa	1		Maximum I	
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
55 GR. HDY SPSX	AR2205	.224"	1.830"	13.5	2,643 fps	48,100 CUP	14.5	2,742 fps	49,300 CUP
	AR2207	.224"	1.830"	16.7	2,655 fps	34,100 CUP	18.5	2,922 fps	46,800 CUP
	AR2219	.224"	1.830"	18.9	2,681 fps	36,000 CUP	21.0C	2,944 fps	48,200 CUP
				Case: V	Vinchester		Barrel le	ength: 24"	
222 Remington				Twist: 1	I:14 "		Trim len	ngth: 1.690"	
: .cg.c				Primer:	Winchester S	iR			
					Start loa		1	Maximum I	nade
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
35 GR. NOS BT LF	AR2207	.224"	2.130"	19.3	3,472 fps	44,800 PSI	20.5	3,612 fps	47.300 PSI
	AR2219	.224"	2.130"	21.6	3,290 fps	39,700 PSI	23.2	3,527 fps	47,600 PSI
	Bench Mark 2	.224"	2.130"	22.5	3,316 fps	34,600 PSI	25.0C	3,665 fps	48,600 PSI
	Bench Mark 8208	.224"	2.130"	22.1	3,096 fps	32,500 PSI	24.5C	3,516 fps	42,200 PSI
35 GR. HDY V-MAX	AR2205	.224"	2.130	15.0	3,095 fps	38,100 CUP	17.2	3,342 fps	43,000 CUP
TO GIVE IN THE PARTY	AR2207	.224"	2.025"	20.5	3,366 fps	36,500 CUP	22.0	3,591 fps	43,300 CUP
	AR2219	.224"	2.025"	23.5	3,316 fps	36,500 CUP	25.2C	3,591 fps	45,600 CUP
	Bench Mark 2	.224"	2.025"	23.5	3,138 fps	33,700 CUP	25.0C	3,368 fps	40,900 CUP
	Bench Mark 8208	.224"	2.025"	23.0	3,181 fps	32,000 PSI	25.0C	3,464 fps	40,500 PSI
36 GR. BAR VG FB	AR2207	.224"	2.150"	19.3	3,277 fps	40,500 PSI	20.5	3,470 fps	46,700 PSI
SO GIL DAR VOI D	AR2219	.224"	2.150"	22.3	3,331 fps	41,400 PSI	23.7	3,535 fps	47,500 PSI
	Bench Mark 2	.224"	2.150"	22.0	3,178 fps	38,500 PSI	24.0C	3,471 fps	48,300 PSI
	Bench Mark 8208	.224"	2.150"	22.0	3,144 fps	36,700 PSI	25.0C	3,582 fps	40,400 PSI
40 GR. SIE HP	AR2207	.224"	2.125"	19.5	3,201 fps	35,200 CUP	21.4	3,480 fps	45,700 CUP
40 OIL OIL III	AR2219	.224"	2.125"	20.7	2,966 fps	31,700 CUP	23.0	3,313 fps	44,000 CUP
	Bench Mark 2	.224"	2.125"	23.5	3,110 fps	34.800 CUP	25.0	3,303 fps	40,700 CUP
	Bench Mark 8208	.224"	2.125"	22.5	3,049 fps	30,400 PSI	25.0C	3,452 fps	42,800 PSI
	AR2206H	.224"	2.125"	20.0	2,572 fps	23,300 CUP	24.0C	3,133 fps	34,200 CUP
40 GR. HDY V-MAX	Bench Mark 1	.224"	2.132"	21.0	3,030 fps	28,500 PSI	23.5	3,525 fps	49,400 PSI
10 0141151 7 111100	AR2206	.224"	2.132"	23.0	3,060 fps	31,100 PSI	24.5C	3,365 fps	40,600 PSI
45 GR. SPR SP	AR2205	.224"	2.130"	11.0	2,259 fps	24,300 CUP	14.5	2,863 fps	46,100 CUP
10 014 01 1101	AR2207	.224"	2.130"	18.9	3,011 fps	33,400 CUP	21.0	3,315 fps	44,800 CUP
	AR2219	.224"	2.130"	20.5	2,914 fps	34,600 CUP	22.5	3,173 fps	43.600 CUP
	Bench Mark 2	.224"	2.130"	23.0	3,092 fps	39,700 CUP	24.5	3,290 fps	44,900 CUP
	Bench Mark 8208	.224"	2.130"	22.2	3,121 fps	38,700 PSI	23.6	3,327 fps	47,200 PSI
	AR2206H	.224"	2.130"	20.0	2,510 fps	25,000 CUP	23.8C	3,080 fps	35,900 CUP
45 GR. HDY SP	Bench Mark 1	.224"	2.132"	21.0	3,000 fps	33,300 PSI	23.5	3,345 fps	46,300 PSI
50 GR. HDY SP	AR2207	.224"	2.130"	18.5	2,890 fps	34,000 CUP	20.5	3,160 fps	44,200 CUP
	Bench Mark 1	.224"	2.132"	20.0	2,830 fps	32,000 PSI	22.5	3,220 fps	47,500 PSI
	AR2219	.224"	2.130"	20.2	2,810 fps	33,300 CUP	22.2	3,079 fps	43,200 CUP
	Bench Mark 2	.224"	2.130"	22.5	2,994 fps	39,200 CUP	24.0	3,168 fps	45,800 CUP
	Bench Mark 8208	.224"	2.130"	21.9	3,006 fps	39,200 PSI	23.3	3,201 fps	47,100 PSI
	AR2206	.224"	2.132"	22.0	2,905 fps	34,100 PSI	24.0	3,225 fps	46,300 PSI
	AR2206H	.224"	2.130"	20.0	2,466 fps	23,900 CUP	23.8C	3,022 fps	36,500 CUP
	AR2208	.224"	2.130"	23.0	2,884 fps	33,600 CUP	25.0C	3,114 fps	40,600 CUP
53 GR. HDY HP	AR2207	.224"	2.140"	17.5	2,800 fps	35,300 CUP	19.5	3,038 fps	45,500 CUP
	Bench Mark 1	.224"	2.200"	20.5	2,890 fps	42,500 PSI	21.6	3,060 fps	49,800 PSI
	DOLOG I WIGHT	. <i></i> T	00		_,500 ipo	12,000101	1.0	5,500 ips	10,0001 01

				Case: V	Vinchester		Barrel le	ength: 24"	
222 Remington				Twist: 1	:14"		Trim len	igth: 1.690"	
g.co				Primer:	Winchester S	R			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
	AR2219	.224"	2.140"	19.3	2,724 fps	34,900 CUP	21.5	3,005 fps	46,000 CUP
	Bench Mark 2	.224"	2.140"	21.5	2,852 fps	38,800 CUP	23.0	3,063 fps	45,500 CUP
	Bench Mark 8208	.224"	2.140"	21.4	2,844 fps	36,100 PSI	22.8	3,117 fps	48,200 PSI
	AR2206H	.224"	2.140"	20.0	2,585 fps	27,800 CUP	23.5C	3,043 fps	41,600 CUP
	AR2208	.224"	2.140"	23.0	2,863 fps	33,500 CUP	25.0C	3,097 fps	42,700 CUP
55 GR. SPR SP	AR2207	.224"	2.130"	17.5	2,733 fps	33,400 CUP	19.5	3,017 fps	45,300 CUP
	AR2219	.224"	2.130"	19.0	2,654 fps	31,600 CUP	21.2	2,953 fps	45,100 CUP
	Bench Mark 2	.224"	2.130"	21.5	2,843 fps	38,100 CUP	23.2	3,052 fps	45,100 CUP
	Bench Mark 8208	.224"	2.130"	21.8	2,905 fps	38,400 PSI	23.2C	3,120 fps	48,500 PSI
									·
	AR2206H	.224"	2.130"	20.0	2,569 fps	28,900 CUP	23.5C	3,023 fps	39,900 CUP
EE OD NOO DT	AR2208	.224"	2.130"	23.0	2,860 fps	34,500 CUP	25.0C	3,095 fps	43,000 CUP
55 GR. NOS BT	Bench Mark 1	.224"	2.145"	20.0	2,845 fps	38,800 PSI	22.0	3,055 fps	48,900 PSI
	AR2206	.224"	2.145"	22.0	2,850 fps	36,700 PSI	23.7	3,125 fps	49,800 PSI
60 GR. HDY V-MAX	AR2207	.224"	2.160"	16.9	2,633 fps	36,100 CUP	18.0	2,771 fps	42,400 CUP
	AR2219	.224"	2.160"	19.0	2,592 fps	34,800 CUP	20.7	2,818 fps	42,900 CUP
	Bench Mark 2	.224"	2.160"	19.7	2,627 fps	35,900 CUP	21.0	2,805 fps	42,800 CUP
	Bench Mark 8208	.224"	2.160"	20.5	2,737 fps	39,200 PSI	21.8	2,920 fps	48,200 PSI
	AR2206H	.224"	2.160"	21.7	2,802 fps	38,500 CUP	23.1C	2,937 fps	43,500 CUP
	AR2208	.224"	2.160"	22.0	2,734 fps	36,600 CUP	23.5C	2,906 fps	42,800 CUP
63 GR. SIE SP	AR2207	.224"	2.125"	16.9	2,597 fps	36,200 CUP	18.8	2,793 fps	43,800 CUP
	AR2219	.224"	2.125"	18.6	2,531 fps	33,600 CUP	20.7	2,780 fps	44,400 CUP
	Bench Mark 2	.224"	2.125"	21.0	2,732 fps	39,000 CUP	22.5	2,903 fps	45,700 CUP
	Bench Mark 8208	.224"	2.125"	20.2	2,681 fps	39,300 PSI	21.5	2,865 fps	48,400 PSI
	AR2206H	.224"	2.125"	20.0	2,537 fps	30,300 CUP	23.5C	2,965 fps	45,500 CUP
	AR2208	.224"	2.125"	22.0	2,718 fps	34,500 CUP	24.0C	2,935 fps	43,800 CUP
	Bench Mark 1	-	-	18.5	2,520 fps	-	20.3	2,765 fps	-
	AR2206	-	-	20.5	2,605 fps	-	23.0	2,925 fps	_
					, ,		-		
					Vinchester			ength: 24"	
223 Remington (5.0	6 x 45mm)			Twist: 1	:12"		Trim len	igth: 1.750"	
				Primer:	Winchester S	R			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
35 GR. NOS BT LF	AR2207	.224"	2.280"	20.4	3,599 fps	45,100 PSI	21.7	3,780 fps	52,000 PSI
	AR2219	.224"	2.280"	24.3	3,610 fps	43,800 PSI	25.8	3,771 fps	50,600 PSI
	Bench Mark 2	.224"	2.280"	24.5	3,555 fps	42,700 PSI	27.2C	3,851 fps	52,900 PSI
	Bench Mark 8208	.224"	2.280"	25.2	3,560 fps	41,100 PSI	28.0C	3,891 fps	53,400 PSI
	AR2206H	.224"	2.280"	24.3	3,522 fps	39,600 PSI	27.0C	3,891 fps	53,000 PSI
	AR2208	.224"	2.280"	25.2	3,424 fps	38,500 PSI	28.0C	3,751 fps	49,300 PSI
36 GR. BAR VG FB	AR2207	.224"	2.200"	21.1	3,511 fps	36,800 PSI	22.5	3,723 fps	51,800 PSI
	AR2219	.224"	2.200"	24.2	3,523 fps	44,300 PSI	25.7	3,721 fps	52,700 PSI
	Bench Mark 2	.224"	2.200"	24.4	3,508 fps	44,100 PSI	26.0	3,702 fps	50,800 PSI
	Bench Mark 8208	.224"	2.200"	25.4	3,548 fps	44,500 PSI	27.0C	3,702 lps	50,600 PSI
								•	
	AR2206H	.224"	2.200"	25.5	3,487 fps	36,500 PSI	27.3C	3,755 fps	49,200 PSI
	AR2208	.224"	2.200"	24.8	3,278 fps	37,000 PSI	27.5C	3,593 fps	47,300 PSI

40 GR. NOS BT

AR2207

.224"

2.280"

20.5

22.5

3,601 fps 49,600 CUP

3,147 fps

29,400 CUP

223 Remington (5.6 x 45mm)

Case: Winchester

Barrel length: 24"

Twist: 1:12"

Trim length: 1.750"

223 Remington (3.0	,,			Primer:	Winchester S	R			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
40 GR.	Bench Mark 1	-	-	22.5	3,180 fps	-	25.2	3,560 fps	-
40 GR. NOS BT	AR2219	.224"	2.280"	23.5	3,376 fps	34,600 CUP	25.5	3,574 fps	48,000 CUP
	Bench Mark 2	.224"	2.280"	25.3	3,404 fps	39,600 CUP	27.3	3,666 fps	51,000 CUP
	Bench Mark 8208	.224"	2.280"	25.0	3,433 fps	41,500 PSI	26.7C	3,659 fps	50,400 PSI
40 GR.	AR2206	-	-	24.8	3,240 fps	-	27.5C	3,590 fps	-
40 GR. NOS BT	AR2206H	.224"	2.280"	25.0	3,204 fps	32,100 CUP	27.5C	3,573 fps	44,500 CUP
	AR2208	.224"	2.280"	25.0	3,310 fps	34,400 CUP	28.0C	3,674 fps	47,200 CUP
45 GR. SFIRE	AR2207	.224"	2.220"	19.0	3,097 fps	40,200 PSI	21.8	3,414 fps	51,400 PSI
	AR2219	.224"	2.220"	22.0	3,088 fps	38,900 PSI	24.6C	3,399 fps	50,800 PSI
	Bench Mark 2	.224"	2.220"	22.5	3,130 fps	39,600 PSI	25.0	3,410 fps	51,000 PSI
	Bench Mark 8208	.224"	2.220"	23.0	3,124 fps	38,800 PSI	26.0C	3,491 fps	52,100 PSI
45 GR. SIE SP	AR2207	.224"	2.240"	20.0	3,009 fps	28,800 CUP	22.0	3,472 fps	49,100 CUP
	AR2219	.224"	2.240"	23.0	3,164 fps	36,000 CUP	25.0	3,424 fps	47,400 CUP
	Bench Mark 2	.224"	2.240"	25.3	3,327 fps	41,100 CUP	27.3	3,554 fps	51,100 CUP
	Bench Mark 8208	.224"	2.240"	24.5	3,287 fps	41,700 PSI	26.8	3,550 fps	52,000 PSI
	AR2206H	.224"	2.240"	25.0	3,211 fps	33,800 CUP	27.5C	3,454 fps	43,400 CUP
	AR2208	.224"	2.240"	25.0	3,071 fps	30,200 CUP	28.0C	3,477 fps	43,700 CUP
50 GR. SPR SP	AR2207	.224"	2.210"	19.5	3,023 fps	32,400 CUP	21.5	3,223 fps	45,900 CUP
50 GR.	Bench Mark 1	-	-	21.5	2,980 fps	-	23.8	3,300 fps	-
50 GR. SPR SP	AR2219	.224"	2.210"	22.0	3,018 fps	36,500 CUP	24.0	3,301 fps	49,300 CUP
	Bench Mark 2	.224"	2.210"	24.0	3,139 fps	38,600 CUP	26.5	3,396 fps	50,400 CUP
	Bench Mark 8208	.224"	2.210"	23.5	3,111 fps	40,500 PSI	25.8	3,407 fps	53,300 PSI
50 GR.	AR2206	-	-	24.0	3,130 fps	-	26.5C	3,455 fps	-
50 GR. SPR SP	AR2206H	.224"	2.210"	25.0	3,200 fps	38,300 CUP	27.5C	3,468 fps	51,300 CUP
	AR2208	.224"	2.210"	26.5	3,242 fps	40,800 CUP	27.5C	3,383 fps	44,800 CUP
53 GR. SIE HP	AR2207	.224"	2.200"	19.5	2,986 fps	34,200 CUP	21.5	3,188 fps	46,700 CUP
53 GR.	Bench Mark 1	-	-	21.0	2,890 fps	-	23.0	3,165 fps	-
53 GR. SIE HP	AR2219	.224"	2.200"	21.5	2,912 fps	39,200 CUP	23.5	3,183 fps	48,900 CUP
	Bench Mark 2	.224"	2.200"	24.0	3,102 fps	39,900 CUP	26.0	3,308 fps	49,800 CUP
	Bench Mark 8208	.224"	2.200"	23.0	3,032 fps	41,400 PSI	25.4	3,310 fps	53,400 PSI
53 GR.	AR2206	-	-	24.0	3,050 fps	-	26.5	3,365 fps	-
53 GR. SIE HP	AR2206H	.224"	2.200"	25.0	3,166 fps	37,400 CUP	27.0C	3,383 fps	48,600 CUP
	AR2208	.224"	2.200"	24.0	3,026 fps	38,400 CUP	27.0C	3,389 fps	47,900 CUP
55 GR. HDY FMJ	AS30N	.224"	2.200"	-	-	-	3.2	1,060 fps	3,700 CUP
	Trail Boss	.224"	2.200"	-	-	-	4.0	1,074 fps	-
55 GR. SFIRE	AR2207	.224"	2.220"	18.0	2,852 fps	42,700 PSI	20.4	3,084 fps	51,400 PSI
	AR2219	.224"	2.220"	21.0	2,894 fps	42,800 PSI	23.1	3,113 fps	51,700 PSI
	Bench Mark 2	.224"	2.220"	21.0	2,903 fps	42,600 PSI	23.4	3,128 fps	51,000 PSI
	AR2206H	.224"	2.220"	22.0	2,941 fps	40,600 PSI	24.6C	3,226 fps	53,500 PSI
	AR2208	.224"	2.220"	23.5	2,990 fps	45,200 PSI	25.1C	3,149 fps	51,700 PSI
55 GR. BAR TSX FB	AR2219	.224"	2.180"	21.0	2,953 fps	48,600 PSI	22.4	3,083 fps	51,300 PSI
	Bench Mark 2	.224"	2.180"	20.0	2,885 fps	47,600 PSI	22.2	3,066 fps	52,200 PSI
	Bench Mark 8208	.224"	2.180"	21.5	2,949 fps	47,600 PSI	23.0	3,105 fps	52,900 PSI
	AR2206H	.224"	2.180"	21.0	2,910 fps	43,700 PSI	22.6	3,110 fps	51,500 PSI
	AR2208	.224"	2.180"	22.8	2,996 fps	47,600 PSI	24.0C	3,134 fps	53,300 PSI

223 Remington (5.6	6 x 45mm)			Case: V	Vinchester :12"			ength: 24" ngth: 1.750"	
				Primer:	Winchester S	R			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
55 GR. SPR SP	AR2207	.224"	2.200"	19.0	2,841 fps	34,800 CUP	21.0	3,150 fps	47,600 CUP
	Bench Mark 1	-	-	20.5	2,715 fps	-	22.6	2,995 fps	-
	AR2219	.224"	2.200"	21.0	2,841 fps	38,600 CUP	23.0	3,106 fps	48,900 CUP
	Bench Mark 2	.224"	2.200"	24.0	3,113 fps	42,600 CUP	25.6	3,264 fps	50,000 CUP
	Bench Mark 8208	.224"	2.200"	23.0	3,024 fps	42,100 PSI	25.3	3,268 fps	53,100 PSI
	AR2206	-	-	24.5	3,130 fps	-	25.5	3,260 fps	-
	AR2206H	.224"	2.200"	25.0	3,176 fps	39,700 CUP	26.0	3,315 fps	49,000 CUP
	AR2208	.224"	2.200"	25.5	3,174 fps	41,300 CUP	27.5C	3,384 fps	49,700 CUP
60 GR. HDY V-MAX	AR2207	.224"	2.250"	18.0	2,747 fps	42,500 CUP	20.0	2,953 fps	47,600 CUP
	AR2219	.224"	2.250"	22.0	2,873 fps	40,300 CUP	23.5	3,063 fps	49,800 CUP
	Bench Mark 2	.224"	2.250"	23.0	2,913 fps	42,500 CUP	24.6	3,086 fps	49,900 CUP
	Bench Mark 8208	.224"	2.250"	21.5	2,857 fps	43,500 PSI	23.6	3,057 fps	51,700 PSI
	AR2206H	.224"	2.250"	24.0	2,918 fps	37,600 CUP	26.0C	3,174 fps	50,100 CUP
	AR2208	.224"	2.250"	25.0	2,924 fps	40,400 CUP	27.0C	3,159 fps	51,900 CUP
62 GR. SFT SCIR	AR2219	.224"	2.260"	19.5	2,717 fps	45,400 PSI	21.2	2,904 fps	52,300 PSI
	Bench Mark 2	.224"	2.260"	20.8	2,755 fps	45,400 PSI	22.7	2,948 fps	52,800 PSI
	Bench Mark 8208	.224"	2.260"	21.4	2,787 fps	43,400 PSI	23.2	2,999 fps	53,000 PSI
	AR2206H	.224"	2.260"	21.0	2,740 fps	42,300 PSI	23.0	3,004 fps	53,000 PSI
	AR2208	.224"	2.260"	22.1	2,773 fps	44,700 PSI	24.1	2,974 fps	52,600 PSI
63 GR. SIE SP	AR2207	.224"	2.200"	18.0	2,680 fps	33,600 CUP	20.0	2,846 fps	44,600 CUP
	AR2219	.224"	2.200"	20.0	2,672 fps	38,100 CUP	22.0	2,862 fps	48,400 CUP
	Bench Mark 2	.224"	2.200"	22.0	2,845 fps	41,800 CUP	24.2	3,066 fps	50,500 CUP
	Bench Mark 8208	.224"	2.200"	21.0	2,783 fps	43,000 PSI	23.1	2,995 fps	52,400 PSI
	AR2206H	.224"	2.200"	23.5	2,831 fps	43,300 CUP	25.5	3,078 fps	50,000 CUP
	AR2208	.224"	2.200"	24.5	3,000 fps	42,400 CUP	26.4C	3,199 fps	50,700 CUP
69 GR. SIE HPBT	AR2219	.224"	2.235"	21.0	2,746 fps	40,500 CUP	23.0	2,932 fps	49,400 CUP
	Bench Mark 2	.224"	2.235"	21.5	2,770 fps	39,700 CUP	23.5	2,970 fps	49,700 CUP
	Bench Mark 8208	.224"	2.235"	21.0	2,696 fps	42,200 PSI	23.8	2,959 fps	52,900 PSI
	AR2206	-	-	22.0	2,675 fps	-	24.0	2,920 fps	-
	AR2206H	.224"	2.235"	24.0	2,870 fps	41,100 CUP	26.0C	3,069 fps	49,700 CUP
	AR2208	.224"	2.235"	24.0	2,784 fps	39,200 CUP	26.0C	3,010 fps	50,200 CUP
70 GR. SPR SP	AR2219	.224"	2.140"	19.0	2,515 fps	37,500 CUP	23.0	2,962 fps	51,200 CUP
	Bench Mark 2	.224"	2.140"	20.5	2,665 fps	45,200 CUP	22.8	2,869 fps	51,000 CUP
	Bench Mark 8208	.224"	2.140"	20.0	2,621 fps	44,100 PSI	21.8	2,797 fps	52,800 PSI
	AR2206H	.224"	2.140"	23.0	2,782 fps	40,400 CUP	25.0	2,997 fps	50,500 CUP
	AR2208	.224"	2.140"	23.5	2,827 fps	41,000 CUP	26.0C	3,024 fps	48,400 CUP
75 GR. JLK VLD	AR2219	.224"	2.250"	20.0	2,594 fps	40,700 CUP	22.0	2,785 fps	48,100 CUP
	Bench Mark 2	.224"	2.250"	21.5	2,610 fps	41,900 CUP	23.5	2,829 fps	49,400 CUP
	Bench Mark 8208	.224"	2.250"	20.0	2,538 fps	40,800 PSI	22.7	2,804 fps	53,900 PSI
	AR2206H	.224"	2.250"	22.5	2,696 fps	39,900 CUP	24.5	2,905 fps	50,000 CUP
	AR2208	.224"	2.250"	22.5	2,693 fps	40,600 CUP	25.0C	2,907 fps	48,400 CUP
77 GR. SIE HPBT	AR2219	.224"	2.260"	20.0	2,578 fps	44,900 CUP	21.8	2,721 fps	50,900 CUP
	Bench Mark 2	.224"	2.260"	20.5	2,523 fps	27,400 CUP	22.8	2,763 fps	50,000 CUP
	Bench Mark 8208	.224"	2.260"	20.5	2,535 fps	41,800 PSI	23.2	2,792 fps	55,000 PSI
	AR2206H	.224"	2.260"	20.0	2,474 fps	40,300 CUP	22.6C	2,727 fps	50,200 CUP

				Case: V	Vinchester			ength: 24"	
223 Remington (5.6	x 45mm)			Twist: 1	:12"		Trim ler	ngth: 1.750"	
				Primer:	Winchester S	iR			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
	AR2208	.224"	2.260"	21.0	2,528 fps	42,700 CUP	23.7C	2,737 fps	50,700 CUP
80 GR. SIE HPBT	AR2219	.224"	2.550"	20.0	2,546 fps	40,700 CUP	22.0	2,744 fps	49,000 CUP
	Bench Mark 2	.224"	2.550"	20.5	2,525 fps	43,900 CUP	22.5	2,700 fps	49,600 CUP
	Bench Mark 8208	.224"	2.550"	19.0	2,456 fps	44,400 PSI	21.0	2,628 fps	52,900 PSI
	AR2206	-	-	20.5	2,500 fps	-	22.5	2,710 fps	-
	AR2206H	.224"	2.550"	21.5	2,578 fps	40,100 CUP	24.0	2,825 fps	50,000 CUF
	AR2208	.224"	2.550"	22.0	2,547 fps	40,300 CUP	25.0C	2,869 fps	51,500 CUF
82 GR. BER BT TARG	Bench Mark 8208	.224"	2.375"	18.4	2,392 fps	44,440 PSI	19.9	2,554 fps	52,100 PSI
	AR2206H	.223"	2.375"	18.9	2,448 fps	46,500 PSI	20.4	2,585 fps	52,700 PSI
	AR2208	.224"	2.375"	20.0	2,417 fps	44,000 PSI	21.5	2,590 fps	52,800 PSI
90 GR. SIE HPBT	Bench Mark 8208	.224"	2.380"	18.0	2,270 fps	45,600 PSI	19.6	2,419 fps	52,800 PSI
	AR2206H	.224"	2.380"	20.0	2,352 fps	47,500 PSI	21.5	2,481 fps	53,500 PSI
	AR2208	.224"	2.380"	21.0	2,332 fps	46,700 PSI	22.3C	2,447 fps	52,100 PSI
				Caso: B	Remington		Barrol le	ength: 26"	
				Twist: 1	·			ngth: 1.840"	
222 Remington Mag	gnum			I WISL I	. 14		IIIIII ICI	igui. 1.040	
				Duiman	Dansinatas 7	1/0			
				Primer:	Remington 7		ı		
					Start loa	ds		Maximum I	1
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Start loa	ds Pressure	Grs.	Velocity	Pressure
	AR2205	.224"	2.145"	Grs. 15.5	Start loa Velocity 2,714 fps	Pressure 29,400 CUP	17.0	Velocity 3,062 fps	Pressure 36,600 CUF
	AR2205 AR2207	.224"	2.145" 2.145"	Grs. 15.5 23.0	Start loa Velocity 2,714 fps 3,592 fps	Pressure 29,400 CUP 45,400 CUP	17.0 24.5	Velocity 3,062 fps 3,760 fps	9,100 CUF
	AR2205 AR2207 AR2219	.224" .224" .224"	2.145" 2.145" 2.145"	Grs. 15.5 23.0 25.0	Start loa Velocity 2,714 fps 3,592 fps 3,318 fps	Pressure 29,400 CUP 45,400 CUP 35,300 CUP	17.0 24.5 27.0	Velocity 3,062 fps 3,760 fps 3,622 fps	Pressure 36,600 CUF 49,100 CUF 48,400 CUF
40 GR. SIE SP	AR2205 AR2207 AR2219 AR2206H	.224"	2.145" 2.145" 2.145" 2.145"	Grs. 15.5 23.0	Start loa Velocity 2,714 fps 3,592 fps 3,318 fps 3,363 fps	Pressure 29,400 CUP 45,400 CUP 35,300 CUP 34,800 CUP	17.0 24.5	Velocity 3,062 fps 3,760 fps 3,622 fps 3,490 fps	Pressure 36,600 CUF 49,100 CUF 48,400 CUF 45,400 CUF
40 GR. SIE SP	AR2205 AR2207 AR2219 AR2206H AR2207	.224" .224" .224" .224" .224"	2.145" 2.145" 2.145" 2.145" 2.220"	Grs. 15.5 23.0 25.0	Start loa Velocity 2,714 fps 3,592 fps 3,318 fps 3,363 fps 3,392 fps	Pressure 29,400 CUP 45,400 CUP 35,300 CUP	17.0 24.5 27.0 29.0 24.0	Velocity 3,062 fps 3,760 fps 3,622 fps 3,490 fps 3,641 fps	Pressure 36,600 CUF 49,100 CUF 48,400 CUF 45,400 CUF 50,200 CUF
40 GR. SIE SP	AR2205 AR2207 AR2219 AR2206H AR2207 AR2219	.224" .224" .224" .224"	2.145" 2.145" 2.145" 2.145" 2.220" 2.220"	Grs. 15.5 23.0 25.0 26.5	Start loa Velocity 2,714 fps 3,592 fps 3,318 fps 3,363 fps 3,392 fps 3,159 fps	Pressure 29,400 CUP 45,400 CUP 35,300 CUP 34,800 CUP 42,400 CUP 33,300 CUP	17.0 24.5 27.0 29.0 24.0 26.5	Velocity 3,062 fps 3,760 fps 3,622 fps 3,490 fps 3,641 fps 3,532 fps	Pressure 36,600 CUF 49,100 CUF 48,400 CUF 45,400 CUF 50,200 CUF 50,300 CUF
40 GR. SIE SP 45 GR. SPR SP	AR2205 AR2207 AR2219 AR2206H AR2207	.224" .224" .224" .224" .224"	2.145" 2.145" 2.145" 2.145" 2.220" 2.220" 2.220"	Grs. 15.5 23.0 25.0 26.5 22.0	Start loa Velocity 2,714 fps 3,592 fps 3,318 fps 3,363 fps 3,363 fps 3,392 fps 3,159 fps 3,314 fps	Pressure 29,400 CUP 45,400 CUP 35,300 CUP 34,800 CUP 42,400 CUP 33,300 CUP 35,400 CUP	17.0 24.5 27.0 29.0 24.0	Velocity 3,062 fps 3,760 fps 3,622 fps 3,490 fps 3,641 fps 3,532 fps 3,442 fps	Pressure 36,600 CUF 49,100 CUF 48,400 CUF 45,400 CUF 50,200 CUF 50,300 CUF 49,700 CUF
40 GR. SIE SP 45 GR. SPR SP	AR2205 AR2207 AR2219 AR2206H AR2207 AR2219 AR2219 AR2206H AR2207	.224" .224" .224" .224" .224" .224"	2.145" 2.145" 2.145" 2.145" 2.220" 2.220" 2.220" 2.305"	Grs. 15.5 23.0 25.0 26.5 22.0 24.5 26.5 21.5	Start loa Velocity 2,714 fps 3,592 fps 3,318 fps 3,363 fps 3,392 fps 3,159 fps 3,314 fps 3,147 fps	9,400 CUP 45,400 CUP 35,300 CUP 34,800 CUP 42,400 CUP 33,300 CUP 35,400 CUP 39,600 CUP	17.0 24.5 27.0 29.0 24.0 26.5	Velocity 3,062 fps 3,760 fps 3,622 fps 3,490 fps 3,641 fps 3,532 fps 3,442 fps 3,379 fps	Pressure 36,600 CUF 49,100 CUF 48,400 CUF 50,200 CUF 50,300 CUF 49,700 CUF
40 GR. SIE SP 45 GR. SPR SP	AR2205 AR2207 AR2219 AR2206H AR2207 AR2219 AR2206H	.224" .224" .224" .224" .224" .224" .224"	2.145" 2.145" 2.145" 2.145" 2.220" 2.220" 2.220"	Grs. 15.5 23.0 25.0 26.5 22.0 24.5 26.5	Start loa Velocity 2,714 fps 3,592 fps 3,318 fps 3,363 fps 3,363 fps 3,392 fps 3,159 fps 3,314 fps	Pressure 29,400 CUP 45,400 CUP 35,300 CUP 34,800 CUP 42,400 CUP 33,300 CUP 35,400 CUP	17.0 24.5 27.0 29.0 24.0 26.5 29.0	Velocity 3,062 fps 3,760 fps 3,622 fps 3,490 fps 3,641 fps 3,532 fps 3,442 fps	Pressure 36,600 CUF 49,100 CUF 48,400 CUF 50,200 CUF 50,300 CUF 49,700 CUF 45,400 CUF
40 GR. SIE SP 45 GR. SPR SP 50 GR. HDY SP	AR2205 AR2207 AR2219 AR2206H AR2207 AR2219 AR2206H AR2206H AR2207 AR2206H AR2207	.224" .224" .224" .224" .224" .224" .224"	2.145" 2.145" 2.145" 2.145" 2.220" 2.220" 2.220" 2.305" 2.305"	Grs. 15.5 23.0 25.0 26.5 22.0 24.5 26.5 21.5	Start loa Velocity 2,714 fps 3,592 fps 3,318 fps 3,363 fps 3,392 fps 3,159 fps 3,314 fps 3,147 fps 3,128 fps 3,166 fps	Pressure 29,400 CUP 45,400 CUP 35,300 CUP 34,800 CUP 42,400 CUP 33,300 CUP 35,400 CUP 39,600 CUP 41,400 CUP	17.0 24.5 27.0 29.0 24.0 26.5 29.0 23.5 26.0 28.5	Velocity 3,062 fps 3,760 fps 3,622 fps 3,490 fps 3,641 fps 3,532 fps 3,442 fps 3,379 fps 3,385 fps 3,306 fps	Pressure 36,600 CUF 49,100 CUF 48,400 CUF 45,400 CUF 50,200 CUF 50,300 CUF 49,700 CUF 45,400 CUF 45,400 CUF 45,900 CUF
40 GR. SIE SP 45 GR. SPR SP 50 GR. HDY SP	AR2205 AR2207 AR2219 AR2206H AR2207 AR2219 AR2206H AR2206H AR2207 AR2219	.224" .224" .224" .224" .224" .224" .224" .224"	2.145" 2.145" 2.145" 2.145" 2.220" 2.220" 2.220" 2.305"	Grs. 15.5 23.0 25.0 26.5 22.0 24.5 26.5 21.5 24.0	Start loa Velocity 2,714 fps 3,592 fps 3,318 fps 3,363 fps 3,392 fps 3,159 fps 3,314 fps 3,147 fps 3,128 fps	Pressure 29,400 CUP 45,400 CUP 35,300 CUP 34,800 CUP 42,400 CUP 33,300 CUP 35,400 CUP 39,600 CUP 38,100 CUP	17.0 24.5 27.0 29.0 24.0 26.5 29.0 23.5 26.0	Velocity 3,062 fps 3,760 fps 3,622 fps 3,490 fps 3,641 fps 3,532 fps 3,442 fps 3,379 fps 3,385 fps	Pressure 36,600 CUP 49,100 CUP 48,400 CUP 45,400 CUP 50,200 CUP 50,300 CUP 49,700 CUP 45,400 CUP 45,400 CUP 45,900 CUP
40 GR. SIE SP 45 GR. SPR SP 50 GR. HDY SP	AR2205 AR2207 AR2219 AR2206H AR2207 AR2219 AR2206H AR2206H AR2207 AR2206H AR2207	.224" .224" .224" .224" .224" .224" .224" .224" .224" .224"	2.145" 2.145" 2.145" 2.145" 2.220" 2.220" 2.220" 2.305" 2.305"	Grs. 15.5 23.0 25.0 26.5 22.0 24.5 26.5 21.5 24.0 26.0	Start loa Velocity 2,714 fps 3,592 fps 3,318 fps 3,363 fps 3,392 fps 3,159 fps 3,314 fps 3,147 fps 3,128 fps 3,166 fps	Pressure 29,400 CUP 45,400 CUP 35,300 CUP 34,800 CUP 42,400 CUP 33,300 CUP 35,400 CUP 39,600 CUP 41,400 CUP	17.0 24.5 27.0 29.0 24.0 26.5 29.0 23.5 26.0 28.5	Velocity 3,062 fps 3,760 fps 3,622 fps 3,490 fps 3,641 fps 3,532 fps 3,442 fps 3,379 fps 3,385 fps 3,306 fps	Pressure 36,600 CUF 49,100 CUF 48,400 CUF 50,200 CUF 50,300 CUF 49,700 CUF 45,400 CUF 49,300 CUF 45,900 CUF
40 GR. SIE SP 45 GR. SPR SP 50 GR. HDY SP	AR2205 AR2207 AR2219 AR2206H AR2219 AR2219 AR2206H AR2207 AR2219 AR2206H AR2207 AR2219 AR2219	.224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224"	2.145" 2.145" 2.145" 2.145" 2.220" 2.220" 2.220" 2.305" 2.305" 2.305"	Grs. 15.5 23.0 25.0 26.5 22.0 24.5 26.5 21.5 24.0 26.0 21.0	Start loa Velocity 2,714 fps 3,592 fps 3,318 fps 3,363 fps 3,392 fps 3,159 fps 3,147 fps 3,147 fps 3,128 fps 3,166 fps 3,076 fps	9,400 CUP 45,400 CUP 35,300 CUP 34,800 CUP 42,400 CUP 33,300 CUP 35,400 CUP 35,400 CUP 36,000 CUP 38,100 CUP 41,400 CUP 38,400 CUP	17.0 24.5 27.0 29.0 24.0 26.5 29.0 23.5 26.0 28.5 23.0	Velocity 3,062 fps 3,760 fps 3,622 fps 3,490 fps 3,641 fps 3,532 fps 3,442 fps 3,379 fps 3,385 fps 3,306 fps 3,282 fps	Pressure 36,600 CUP 49,100 CUP 48,400 CUP 45,400 CUP 50,200 CUP 49,700 CUP 45,400 CUP 45,400 CUP 45,900 CUP 45,900 CUP 49,800 CUP
40 GR. SIE SP 45 GR. SPR SP 50 GR. HDY SP 53 GR. SIE HP	AR2205 AR2207 AR2219 AR2206H AR2219 AR2219 AR2206H AR2207 AR2219 AR2207 AR2219 AR2219 AR2206H AR2207 AR2219	.224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224"	2.145" 2.145" 2.145" 2.145" 2.220" 2.220" 2.220" 2.305" 2.305" 2.305" 2.275"	Grs. 15.5 23.0 25.0 26.5 22.0 24.5 26.5 21.5 24.0 26.0 21.0	Start loa Velocity 2,714 fps 3,592 fps 3,318 fps 3,363 fps 3,392 fps 3,159 fps 3,147 fps 3,128 fps 3,166 fps 3,076 fps 3,014 fps	Pressure 29,400 CUP 45,400 CUP 35,300 CUP 34,800 CUP 42,400 CUP 35,400 CUP 35,400 CUP 39,600 CUP 41,400 CUP 38,400 CUP 38,400 CUP 39,200 CUP	17.0 24.5 27.0 29.0 24.0 26.5 29.0 23.5 26.0 28.5 23.0	Velocity 3,062 fps 3,760 fps 3,622 fps 3,490 fps 3,641 fps 3,532 fps 3,442 fps 3,379 fps 3,385 fps 3,306 fps 3,282 fps 3,285 fps	Pressure 36,600 CUF 49,100 CUF 48,400 CUF 50,200 CUF 50,300 CUF 49,700 CUF 45,400 CUF 45,400 CUF 45,900 CUF 45,900 CUF 45,900 CUF 48,500 CUF
40 GR. SIE SP 45 GR. SPR SP 50 GR. HDY SP 53 GR. SIE HP	AR2205 AR2207 AR2219 AR2206H AR2207 AR2219 AR2206H AR2206H AR2207 AR2219 AR2206H AR2207 AR2219 AR2206H AR2206H AR2207	.224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224"	2.145" 2.145" 2.145" 2.145" 2.220" 2.220" 2.220" 2.305" 2.305" 2.305" 2.275" 2.275"	Grs. 15.5 23.0 25.0 26.5 22.0 24.5 26.5 21.5 24.0 26.0 21.0 24.0 25.5	Start loa Velocity 2,714 fps 3,592 fps 3,318 fps 3,363 fps 3,392 fps 3,159 fps 3,144 fps 3,147 fps 3,128 fps 3,166 fps 3,076 fps 3,014 fps 3,137 fps	9,400 CUP 45,400 CUP 35,300 CUP 34,800 CUP 42,400 CUP 33,300 CUP 35,400 CUP 35,400 CUP 38,100 CUP 41,400 CUP 38,400 CUP 41,400 CUP 40,800 CUP	17.0 24.5 27.0 29.0 24.0 26.5 29.0 23.5 26.0 28.5 23.0 25.0 28.0	Velocity 3,062 fps 3,760 fps 3,622 fps 3,490 fps 3,641 fps 3,532 fps 3,442 fps 3,379 fps 3,385 fps 3,385 fps 3,282 fps 3,282 fps 3,282 fps	Pressure 36,600 CUF 49,100 CUF 48,400 CUF 50,200 CUF 50,300 CUF 49,700 CUF 45,400 CUF 45,900 CUF 45,900 CUF 49,800 CUF 48,500 CUF 46,300 CUF
40 GR. SIE SP 45 GR. SPR SP 50 GR. HDY SP 53 GR. SIE HP	AR2205 AR2207 AR2219 AR2206H AR2207 AR2219 AR2206H AR2206H AR2207 AR2219 AR2206H AR2207 AR2219 AR2206H AR2207 AR2206H AR2207	.224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224"	2.145" 2.145" 2.145" 2.145" 2.220" 2.220" 2.220" 2.305" 2.305" 2.305" 2.275" 2.275" 2.275"	Grs. 15.5 23.0 25.0 26.5 22.0 24.5 26.5 21.5 24.0 26.0 21.0 24.0 25.5 21.0	Start loa Velocity 2,714 fps 3,592 fps 3,318 fps 3,363 fps 3,392 fps 3,159 fps 3,144 fps 3,147 fps 3,166 fps 3,076 fps 3,014 fps 3,137 fps 3,024 fps	9,400 CUP 45,400 CUP 35,300 CUP 34,800 CUP 32,400 CUP 33,300 CUP 35,400 CUP 35,400 CUP 38,100 CUP 38,100 CUP 41,400 CUP 38,400 CUP 40,800 CUP 37,800 CUP	17.0 24.5 27.0 29.0 24.0 26.5 29.0 23.5 26.0 28.5 23.0 25.0 28.0	Velocity 3,062 fps 3,760 fps 3,622 fps 3,490 fps 3,641 fps 3,532 fps 3,442 fps 3,379 fps 3,385 fps 3,282 fps 3,282 fps 3,272 fps 3,222 fps	Pressure 36,600 CUP 49,100 CUP 48,400 CUP 50,200 CUP 50,300 CUP 49,700 CUP 45,400 CUP 45,400 CUP 45,900 CUP 45,900 CUP 48,500 CUP 48,500 CUP 48,500 CUP 49,300 CUP
40 GR. SIE SP 45 GR. SPR SP 50 GR. HDY SP 53 GR. SIE HP 55 GR. HDY SP	AR2205 AR2207 AR2219 AR2206H AR2219 AR2219 AR2206H AR2207 AR2219 AR2206H AR2219 AR2219 AR2206H AR2207 AR2219 AR2219 AR2219 AR2219 AR2219	.224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224"	2.145" 2.145" 2.145" 2.145" 2.220" 2.220" 2.220" 2.305" 2.305" 2.305" 2.275" 2.275" 2.275" 2.325"	Grs. 15.5 23.0 25.0 26.5 22.0 24.5 26.5 21.5 24.0 26.0 21.0 24.0 25.5 21.0 22.5	Start loa Velocity 2,714 fps 3,592 fps 3,318 fps 3,363 fps 3,392 fps 3,147 fps 3,147 fps 3,128 fps 3,166 fps 3,076 fps 3,014 fps 3,024 fps 2,867 fps	9,400 CUP 35,300 CUP 34,800 CUP 34,800 CUP 34,400 CUP 33,300 CUP 35,400 CUP 35,400 CUP 38,100 CUP 38,400 CUP 38,400 CUP 38,400 CUP 37,800 CUP 37,800 CUP	17.0 24.5 27.0 29.0 24.0 26.5 29.0 23.5 26.0 28.5 23.0 25.0 28.0 23.0 24.5	Velocity 3,062 fps 3,760 fps 3,622 fps 3,490 fps 3,641 fps 3,532 fps 3,442 fps 3,379 fps 3,385 fps 3,385 fps 3,282 fps 3,282 fps 3,272 fps 3,272 fps 3,191 fps	Pressure 36,600 CUP 49,100 CUP 48,400 CUP 45,400 CUP 50,200 CUP 49,700 CUP 45,400 CUP 45,400 CUP 45,900 CUP 45,900 CUP 48,500 CUP 48,500 CUP 48,500 CUP 48,300 CUP 48,300 CUP
Bullet 40 GR. SIE SP 45 GR. SPR SP 50 GR. HDY SP 53 GR. SIE HP 55 GR. HDY SP	AR2205 AR2207 AR2219 AR2206H AR2207 AR2219 AR2206H AR2206H AR2207 AR2219 AR2206H AR2207 AR2219 AR2206H AR2207 AR2219 AR2219 AR2206H AR2206H AR2206H AR2207	.224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224"	2.145" 2.145" 2.145" 2.145" 2.220" 2.220" 2.220" 2.305" 2.305" 2.305" 2.275" 2.275" 2.275" 2.325" 2.325"	Grs. 15.5 23.0 25.0 26.5 22.0 24.5 26.5 21.5 24.0 26.0 21.0 24.0 25.5 21.0 22.5	Start loa Velocity 2,714 fps 3,592 fps 3,318 fps 3,363 fps 3,392 fps 3,159 fps 3,144 fps 3,128 fps 3,166 fps 3,076 fps 3,014 fps 3,014 fps 2,867 fps 3,121 fps	Pressure 29,400 CUP 45,400 CUP 35,300 CUP 34,800 CUP 32,400 CUP 33,300 CUP 35,400 CUP 38,400 CUP 38,400 CUP 41,400 CUP 38,400 CUP 40,800 CUP 37,800 CUP 36,500 CUP 39,000 CUP	17.0 24.5 27.0 29.0 24.0 26.5 29.0 23.5 26.0 28.5 23.0 25.0 24.5 28.0	Velocity 3,062 fps 3,760 fps 3,622 fps 3,490 fps 3,641 fps 3,532 fps 3,442 fps 3,379 fps 3,385 fps 3,385 fps 3,282 fps 3,282 fps 3,272 fps 3,222 fps 3,191 fps 3,257 fps	1

22 PPC				Twist: 1	ako (reformed :14" Remington 7	,		ength: 24" agth: 1.510"	
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
40 GR. NOS BT	Bench Mark 2	.224"	2.065"	27.0	3,349 fps	37,500 CUP	30.0	3,675 fps	49,200 CUP
	Bench Mark 8208	.224"	2.065"	27.0	3,366 fps	38,400 CUP	29.3C	3,684 fps	47.000 CUP
	AR2208	.224"	2.065"	27.5	3,314 fps	36,000 CUP	29.5C	3,560 fps	45,700 CUF
50 GR. SPR SP	Bench Mark 1	-	-	23.5	3,030 fps	-	26.0	3,350 fps	-
	AR2219	.224"	2.065"	25.0	3,204 fps	42,000 CUP	26.0	3,385 fps	48.000 CUF
	Bench Mark 2	.224"	2.065"	27.0	3,204 fps	40,000 CUP	29.0	3,430 fps	49,600 CUF
	Bench Mark 8208	.224"	2.065"	26.0	3,213 fps	40,600 CUP	28.8C	3,507 fps	50,400 CUF
	AR2206	-	-	24.8	3,020 fps	-	27.5	3,350 fps	-
	AR2206H	.224"	2.065"	26.0	2,989 fps	37,100 CUP	28.0	3,347 fps	46,500 CUF
	AR2208	.224"	2.065"	27.5	3,205 fps	37,100 CUP	29.5	3,408 fps	48,200 CUF
53 GR. HDY HP	Bench Mark 1	-	-	23.5	3,050 fps	-	25.5	3,310 fps	-
	AR2219	.224"	2.065"	24.0	3,046 fps	39,800 CUP	26.0	3,333 fps	48,500 CUF
	Bench Mark 2	.224"	2.065"	26.5	3,141 fps	40,200 CUP	28.5	3,368 fps	49,400 CUF
	Bench Mark 8208	.224"	2.065"	25.5	3,112 fps	37,300 CUP	28.2	3,418 fps	48,700 CUF
	AR2206H	.224"	2.065"	26.0	3,079 fps	41,500 CUP	28.0	3,321 fps	49,000 CUF
	AR2208	.224"	2.065"	26.5	3,179 fps	39,100 CUP	28.5	3,363 fps	48,900 CUF
55 GR. SPR SP	AR2219	.224"	2.050"	24.0	3,052 fps	41,400 CUP	26.0	3,306 fps	50,000 CUF
	Bench Mark 2	.224"	2.050"	26.0	3,080 fps	39,900 CUP	28.2	3,310 fps	49,600 CUF
	Donominant	'			•		28.0	3,362 fps	48,600 CUF
	Rench Mark 8208	224"	2 050"	1 250	I SUUDING	354000.00			
	Bench Mark 8208	.224"	2.050"	25.0	3,006 fps	35,400 CUP			
	Bench Mark 8208 AR2206H AR2208	.224"	2.050" 2.050" 2.050"	25.0 26.0 26.5	3,006 fps 3,047 fps 3,147 fps	42,000 CUP 43,600 CUP	28.0 28.5	3,346 fps 3,317 fps	50,000 CUP
	AR2206H	.224"	2.050"	26.0 26.5	3,047 fps 3,147 fps	42,000 CUP 43,600 CUP	28.0 28.5	3,346 fps 3,317 fps	50,000 CUF
00 DD D	AR2206H AR2208	.224"	2.050"	26.0 26.5 Case: R	3,047 fps 3,147 fps emington (refe	42,000 CUP 43,600 CUP	28.0 28.5 Barrel le	3,346 fps 3,317 fps ength: 24"	50,000 CUP
22 BR Remingtor	AR2206H AR2208	.224"	2.050"	26.0 26.5 Case: R Twist: 1	3,047 fps 3,147 fps emington (refi	42,000 CUP 43,600 CUP ormed)	28.0 28.5 Barrel le	3,346 fps 3,317 fps	50,000 CUP
22 BR Remington	AR2206H AR2208	.224"	2.050"	26.0 26.5 Case: R Twist: 1	3,047 fps 3,147 fps emington (refi :14" Remington 7	42,000 CUP 43,600 CUP ormed)	28.0 28.5 Barrel le	3,346 fps 3,317 fps ength: 24" egth: 1.510"	50,000 CUP 47,800 CUP
	AR2206H AR2208	.224"	2.050"	26.0 26.5 Case: R Twist: 1 Primer:	3,047 fps 3,147 fps emington (refi :14" Remington 7	42,000 CUP 43,600 CUP ormed)	28.0 28.5 Barrel le	3,346 fps 3,317 fps ength: 24" egth: 1.510"	50,000 CUP 47,800 CUP
Bullet	AR2206H AR2208 Powder	.224" .224" Bullet Diam.	2.050" 2.050"	26.0 26.5 Case: R Twist: 1 Primer:	3,047 fps 3,147 fps emington (refined the semington of the seminated of the seminated of the seminated of the seminated of th	42,000 CUP 43,600 CUP ormed) 1/2 ds Pressure	28.0 28.5 Barrel le Trim len	3,346 fps 3,317 fps ength: 24" egth: 1.510" Maximum I	50,000 CUP 47,800 CUP oads Pressure
	AR2206H AR2208 Powder AR2207	.224" .224" Bullet Diam.	2.050" 2.050" C.O.L. 2.090"	26.0 26.5 Case: R Twist: 1 Primer: Grs. 25.5	3,047 fps 3,147 fps emington (refine the first termington 7) Start load Velocity 3,645 fps	42,000 CUP 43,600 CUP ormed) 1/2 ds Pressure 43,200 CUP	28.0 28.5 Barrel le Trim len Grs. 27.6	3,346 fps 3,317 fps ength: 24" ength: 1.510" Maximum I Velocity 3,859 fps	50,000 CUF 47,800 CUF oads Pressure 50,400 CUF
Bullet	AR2206H AR2208 Powder AR2207 AR2219	.224" .224" Bullet Diam. .224"	2.050" 2.050" C.O.L. 2.090"	26.0 26.5 Case: R Twist: 1 Primer: Grs. 25.5 28.0	3,047 fps 3,147 fps emington (refi:14" Remington 7 Start load Velocity 3,645 fps 3,561 fps	42,000 CUP 43,600 CUP ormed) 1/2 ds Pressure 43,200 CUP 38,000 CUP	28.0 28.5 Barrel le Trim len Grs. 27.6 30.0	3,346 fps 3,317 fps ength: 24" egth: 1.510" Maximum I	50,000 CUF 47,800 CUF 0ads Pressure 50,400 CUF 49,000 CUF
Bullet	AR2206H AR2208 Powder AR2207 AR2219 Bench Mark 2	.224" .224" Bullet Diam224" .224" .224"	2.050" 2.050" C.O.L. 2.090" 2.090"	26.0 26.5 Case: R Twist: 1 Primer: Grs. 25.5 28.0 30.0	3,047 fps 3,147 fps emington (refi:14" Remington 7 Start loa Velocity 3,645 fps 3,561 fps 3,542 fps	42,000 CUP 43,600 CUP ormed) 1/2 ds Pressure 43,200 CUP 38,000 CUP 41,400 CUP	28.0 28.5 Barrel le Trim len Grs. 27.6 30.0 32.0	3,346 fps 3,317 fps ength: 24" egth: 1.510" Maximum I Velocity 3,859 fps 3,795 fps 3,816 fps	50,000 CUF 47,800 CUF 0000 CUF 49,000 CUF 49,200 CUF
Bullet	AR2206H AR2208 Powder AR2207 AR2219	.224" .224" Bullet Diam. .224"	2.050" 2.050" C.O.L. 2.090" 2.090" 2.090"	26.0 26.5 Case: R Twist: 1 Primer: Grs. 25.5 28.0	3,047 fps 3,147 fps emington (refi:14" Remington 7 Start load Velocity 3,645 fps 3,561 fps	42,000 CUP 43,600 CUP 1/2 ds Pressure 43,200 CUP 38,000 CUP 41,400 CUP 38,300 CUP	28.0 28.5 Barrel le Trim len Grs. 27.6 30.0 32.0 32.8	3,346 fps 3,317 fps ength: 24" egth: 1.510" Maximum I Velocity 3,859 fps 3,795 fps	50,000 CUF 47,800 CUF 0ads Pressure 50,400 CUF 49,000 CUF 49,200 CUF 46,400 CUF
Bullet 40 GR. NOS BT	AR2206H AR2208 Powder AR2207 AR2219 Bench Mark 2 AR2206H AR2208	.224" .224" Bullet Diam224" .224" .224" .224" .224" .224"	2.050" 2.050" C.O.L. 2.090" 2.090" 2.090" 2.090"	26.0 26.5 Case: R Twist: 1 Primer: 25.5 28.0 30.0 31.0 31.5	3,047 fps 3,147 fps emington (refined to the context of the contex	42,000 CUP 43,600 CUP 20med) 1/2 ds Pressure 43,200 CUP 38,000 CUP 41,400 CUP 38,300 CUP 36,500 CUP	28.0 28.5 Barrel le Trim len Grs. 27.6 30.0 32.0	3,346 fps 3,317 fps ength: 24" egth: 1.510" Maximum I Velocity 3,859 fps 3,795 fps 3,816 fps 3,834 fps 3,788 fps	0ads Pressure 50,400 CUF 49,000 CUF 49,200 CUF 46,400 CUF 43,500 CUF
Bullet	AR2206H AR2208 Powder AR2207 AR2219 Bench Mark 2 AR2206H	.224" .224" Bullet Diam224" .224" .224" .224" .224" .224"	2.050" 2.050" C.O.L. 2.090" 2.090" 2.090"	26.0 26.5 Case: R Twist: 1 Primer: Grs. 25.5 28.0 30.0 31.0	3,047 fps 3,147 fps emington (refit:14" Remington 7 Start loa: Velocity 3,645 fps 3,561 fps 3,542 fps 3,594 fps	42,000 CUP 43,600 CUP 1/2 ds Pressure 43,200 CUP 38,000 CUP 41,400 CUP 36,500 CUP 41,000 CUP	28.0 28.5 Barrel le Trim len Grs. 27.6 30.0 32.0 32.8	3,346 fps 3,317 fps ength: 24" egth: 1.510" Maximum I Velocity 3,859 fps 3,795 fps 3,816 fps 3,834 fps	0ads Pressure 50,400 CUF 49,000 CUF 49,200 CUF 46,400 CUF 43,500 CUF
Bullet 40 GR. NOS BT	AR2206H AR2208 Powder AR2207 AR2219 Bench Mark 2 AR2206H AR2208 AR2219 Bench Mark 2	.224" .224" Bullet Diam224" .224" .224" .224" .224" .224" .224" .224"	2.050" 2.050" C.O.L. 2.090" 2.090" 2.090" 2.090"	26.0 26.5 Case: R Twist: 1 Primer: 25.5 28.0 30.0 31.0 31.5 29.0 29.5	3,047 fps 3,147 fps emington (refile:14" Remington 7 Start load Velocity 3,645 fps 3,561 fps 3,542 fps 3,594 fps 3,594 fps 3,409 fps 3,486 fps	42,000 CUP 43,600 CUP 1/2 ds Pressure 43,200 CUP 41,400 CUP 38,300 CUP 41,000 CUP 41,000 CUP 41,100 CUP	28.0 28.5 Barrel le Trim len Grs. 27.6 30.0 32.0 32.8 33.5 31.5 31.6	3,346 fps 3,317 fps ength: 24" egth: 1.510" Maximum I Velocity 3,859 fps 3,795 fps 3,816 fps 3,834 fps 3,788 fps	0ads Pressure 50,400 CUF 49,000 CUF 49,200 CUF 46,400 CUF 43,500 CUF 48,900 CUF
Bullet 40 GR. NOS BT	AR2206H AR2208 Powder AR2207 AR2219 Bench Mark 2 AR2206H AR2208 AR2219	.224" .224" Bullet Diam224" .224" .224" .224" .224" .224"	2.050" 2.050" C.O.L. 2.090" 2.090" 2.090" 1.945"	26.0 26.5 Case: R Twist: 1 Primer: Grs. 25.5 28.0 30.0 31.0 31.5 29.0	3,047 fps 3,147 fps emington (refi:14" Remington 7 Start loa: Velocity 3,645 fps 3,542 fps 3,542 fps 3,594 fps 3,558 fps 3,409 fps	42,000 CUP 43,600 CUP 1/2 ds Pressure 43,200 CUP 38,000 CUP 41,400 CUP 36,500 CUP 41,000 CUP	28.0 28.5 Barrel le Trim len Grs. 27.6 30.0 32.0 32.8 33.5 31.5	3,346 fps 3,317 fps ength: 24" egth: 1.510" Maximum I Velocity 3,859 fps 3,795 fps 3,816 fps 3,834 fps 3,788 fps 3,741 fps	0ads Pressure 50,400 CUF 49,000 CUF 49,200 CUF 46,400 CUF 43,500 CUF 48,900 CUF
Bullet 40 GR. NOS BT 45 GR. SPR SP	AR2206H AR2208 Powder AR2207 AR2219 Bench Mark 2 AR2206H AR2208 AR2219 Bench Mark 2	.224" .224" Bullet Diam224" .224" .224" .224" .224" .224" .224" .224"	2.050" 2.050" 2.050" C.O.L. 2.090" 2.090" 2.090" 1.945" 1.945"	26.0 26.5 Case: R Twist: 1 Primer: 25.5 28.0 30.0 31.0 31.5 29.0 29.5	3,047 fps 3,147 fps emington (refile:14" Remington 7 Start load Velocity 3,645 fps 3,561 fps 3,542 fps 3,594 fps 3,594 fps 3,409 fps 3,486 fps	42,000 CUP 43,600 CUP 1/2 ds Pressure 43,200 CUP 41,400 CUP 38,300 CUP 41,000 CUP 41,000 CUP 41,100 CUP	28.0 28.5 Barrel le Trim len Grs. 27.6 30.0 32.0 32.8 33.5 31.5 31.6	3,346 fps 3,317 fps angth: 24" agth: 1.510" Maximum I Velocity 3,859 fps 3,795 fps 3,816 fps 3,834 fps 3,788 fps 3,781 fps 3,782 fps	0ads Pressure 50,400 CUF 49,000 CUF 49,200 CUF 46,400 CUF 43,500 CUF 49,400 CUF 48,900 CUF
Bullet 40 GR. NOS BT	AR2206H AR2208 Powder AR2207 AR2219 Bench Mark 2 AR2206H AR2208 AR2219 Bench Mark 2 AR2206H AR2206H AR2206H	.224" .224" Bullet Diam224" .224" .224" .224" .224" .224" .224" .224" .224"	2.050" 2.050" 2.050" C.O.L. 2.090" 2.090" 2.090" 1.945" 1.945"	26.0 26.5 Case: R Twist: 1 Primer: 25.5 28.0 30.0 31.0 31.5 29.0 29.5 30.0	3,047 fps 3,147 fps emington (refined to the content of the conten	42,000 CUP 43,600 CUP 20med) 1/2 ds Pressure 43,200 CUP 41,400 CUP 41,000 CUP 41,000 CUP 41,600 CUP	28.0 28.5 Barrel le Trim len Grs. 27.6 30.0 32.0 32.8 33.5 31.5 31.6 32.5	3,346 fps 3,317 fps ength: 24" egth: 1.510" Maximum I Velocity 3,859 fps 3,795 fps 3,816 fps 3,834 fps 3,788 fps 3,741 fps 3,702 fps 3,768 fps	000 CUF 47,800 CUF 47,800 CUF 49,000 CUF 49,000 CUF 49,400 CUF 49,400 CUF 48,900 CUF 49,000 CUF 49,000 CUF
Bullet 40 GR. NOS BT 45 GR. SPR SP	AR2206H AR2208 Powder AR2207 AR2219 Bench Mark 2 AR2206H AR2208 AR2219 Bench Mark 2 AR2206H AR2206H AR2206H AR2206H AR2208	.224" .224" Bullet Diam224" .224" .224" .224" .224" .224" .224" .224" .224" .224"	2.050" 2.050" 2.050" C.O.L. 2.090" 2.090" 2.090" 1.945" 1.945" 1.945"	26.0 26.5 Case: R Twist: 1 Primer: 25.5 28.0 30.0 31.0 31.5 29.0 29.5 30.0 31.5	3,047 fps 3,147 fps 3,147 fps emington (refine the first transform) Start load Velocity 3,645 fps 3,542 fps 3,542 fps 3,594 fps 3,594 fps 3,409 fps 3,409 fps 3,429 fps 3,502 fps	42,000 CUP 43,600 CUP 1/2 ds Pressure 43,200 CUP 38,000 CUP 41,400 CUP 41,000 CUP 41,000 CUP 41,600 CUP 41,600 CUP 36,800 CUP	28.0 28.5 Barrel le Trim len Grs. 27.6 30.0 32.0 32.8 33.5 31.5 31.6 32.5 33.5	3,346 fps 3,317 fps angth: 24" agth: 1.510" Maximum I Velocity 3,859 fps 3,795 fps 3,816 fps 3,834 fps 3,788 fps 3,741 fps 3,702 fps 3,768 fps 3,693 fps	0ads Pressure 50,400 CUF 49,000 CUF 49,000 CUF 49,200 CUF 49,400 CUF 48,900 CUF 48,900 CUF 49,000 CUF 49,000 CUF
Bullet 40 GR. NOS BT 45 GR. SPR SP	AR2206H AR2208 Powder AR2207 AR2219 Bench Mark 2 AR2206H AR2208 AR2219 Bench Mark 2 AR2206H AR2208 AR2219 AR2219 AR2206H AR2208 AR2219 AR2206H AR2208	.224" .224" Bullet Diam224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224"	2.050" 2.050" 2.050" C.O.L. 2.090" 2.090" 2.090" 1.945" 1.945" 1.945" 1.945"	26.0 26.5 Case: R Twist: 1 Primer: 25.5 28.0 30.0 31.0 31.5 29.0 29.5 30.0 31.5 28.0	3,047 fps 3,147 fps emington (refit:14" Remington 7 Start loar Velocity 3,645 fps 3,561 fps 3,542 fps 3,594 fps 3,594 fps 3,429 fps 3,429 fps 3,292 fps	42,000 CUP 43,600 CUP 1/2 ds Pressure 43,200 CUP 38,000 CUP 41,400 CUP 36,500 CUP 41,000 CUP 41,000 CUP 41,600 CUP 36,800 CUP 36,800 CUP	28.0 28.5 Barrel le Trim len Grs. 27.6 30.0 32.0 32.8 33.5 31.5 31.6 32.5 33.5 30.5	3,346 fps 3,317 fps angth: 24" agth: 1.510" Maximum I Velocity 3,859 fps 3,795 fps 3,816 fps 3,834 fps 3,788 fps 3,741 fps 3,702 fps 3,768 fps 3,693 fps 3,693 fps	0ads Pressure 50,400 CUF 49,000 CUF 49,000 CUF 49,400 CUF 49,400 CUF 49,400 CUF 49,400 CUF 48,900 CUF 48,900 CUF 48,900 CUF 49,000 CUF 49,000 CUF 49,000 CUF
Bullet 40 GR. NOS BT 45 GR. SPR SP	AR2206H AR2208 Powder AR2207 AR2219 Bench Mark 2 AR2206H AR2208 AR2219 Bench Mark 2 AR2206H AR2206H AR2208 AR2219 Bench Mark 2 AR2206H AR2208 AR2219 Bench Mark 2	.224" .224" Bullet Diam224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224"	2.050" 2.050" 2.050" C.O.L. 2.090" 2.090" 2.090" 1.945" 1.945" 1.945" 1.945" 1.945"	26.0 26.5 Case: R Twist: 1 Primer: 25.5 28.0 30.0 31.5 29.0 29.5 30.0 31.5 28.0 29.5	3,047 fps 3,147 fps 3,147 fps emington (refined to the content of	42,000 CUP 43,600 CUP 1/2 ds Pressure 43,200 CUP 38,000 CUP 41,400 CUP 41,600 CUP 41,600 CUP 36,800 CUP 37,000 CUP 40,400 CUP	28.0 28.5 Barrel le Trim len Grs. 27.6 30.0 32.0 32.8 33.5 31.5 31.6 32.5 33.5 30.5 31.5	3,346 fps 3,317 fps angth: 24" agth: 1.510" Maximum I Velocity 3,859 fps 3,795 fps 3,816 fps 3,788 fps 3,741 fps 3,702 fps 3,768 fps 3,693 fps 3,637 fps 3,618 fps	000 CUF 47,800 CUF 47,800 CUF 49,000 CUF 49,000 CUF 49,400 CUF 48,900 CUF 49,000 CUF 49,000 CUF 49,700 CUF 48,700 CUF 48,000 CUF
Bullet 40 GR. NOS BT 45 GR. SPR SP	AR2206H AR2208 Powder AR2207 AR2219 Bench Mark 2 AR2206H AR2208 AR2219 Bench Mark 2 AR2206H AR2208 AR2219 Bench Mark 2 AR2206H AR2208 AR2208 AR2219 Bench Mark 2 AR2206H AR2208	.224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224"	2.050" 2.050" 2.050" C.O.L. 2.090" 2.090" 2.090" 1.945" 1.945" 1.945" 1.945" 1.945"	26.0 26.5 Case: R Twist: 1 Primer: 25.5 28.0 30.0 31.0 31.5 29.0 29.5 30.0 31.5 28.0 29.5 28.0	3,047 fps 3,147 fps 3,147 fps emington (refi:14" Remington 7 Start loa: Velocity 3,645 fps 3,542 fps 3,542 fps 3,594 fps 3,409 fps 3,486 fps 3,429 fps 3,292 fps 3,398 fps 3,404 fps	42,000 CUP 43,600 CUP 1/2 ds Pressure 43,200 CUP 38,000 CUP 41,400 CUP 41,000 CUP 41,000 CUP 41,600 CUP 41,600 CUP 36,800 CUP 40,400 CUP 41,200 CUP	28.0 28.5 Barrel le Trim len Grs. 27.6 30.0 32.0 32.8 33.5 31.5 31.6 32.5 33.5 30.5 31.5	3,346 fps 3,317 fps angth: 24" agth: 1.510" Maximum I Velocity 3,859 fps 3,795 fps 3,816 fps 3,788 fps 3,741 fps 3,702 fps 3,768 fps 3,693 fps 3,693 fps 3,618 fps 3,606 fps	0ads Pressure 50,400 CUF 49,000 CUF 49,000 CUF 49,200 CUF 49,400 CUF 48,900 CUF 48,900 CUF 49,000 CUF 49,000 CUF 49,000 CUF 49,000 CUF 48,000 CUF 48,000 CUF 48,000 CUF
Bullet 40 GR. NOS BT 45 GR. SPR SP 50 GR. SPR SP	AR2206H AR2208 Powder AR2207 AR2219 Bench Mark 2 AR2206H AR2208 AR2219 Bench Mark 2 AR2206H AR2208 AR2219 Bench Mark 2 AR2206H AR2208 AR2219 AR2206H AR2208 AR2219	.224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224"	2.050" 2.050" 2.050" 2.050" 2.090" 2.090" 2.090" 2.090" 1.945" 1.945" 1.945" 1.945" 1.945" 1.945"	26.0 26.5 Case: R Twist: 1 Primer: 25.5 28.0 30.0 31.0 29.0 29.5 30.0 31.5 28.0 29.5 28.0 30.0	3,047 fps 3,147 fps emington (refi:14" Remington 7 Start loa: Velocity 3,645 fps 3,561 fps 3,542 fps 3,594 fps 3,594 fps 3,409 fps 3,409 fps 3,429 fps 3,292 fps 3,292 fps 3,398 fps 3,404 fps 3,426 fps	42,000 CUP 43,600 CUP 1/2 ds Pressure 43,200 CUP 38,000 CUP 41,400 CUP 41,000 CUP 41,000 CUP 41,600 CUP 36,800 CUP 36,800 CUP 36,800 CUP 36,800 CUP 37,000 CUP 40,400 CUP 41,200 CUP 38,900 CUP	28.0 28.5 Barrel le Trim len Grs. 27.6 30.0 32.0 32.8 33.5 31.5 31.6 32.5 33.5 30.5 31.5 32.0 33.5	3,346 fps 3,317 fps angth: 24" agth: 1.510" Maximum I Velocity 3,859 fps 3,795 fps 3,816 fps 3,788 fps 3,741 fps 3,702 fps 3,768 fps 3,693 fps 3,637 fps 3,618 fps 3,606 fps 3,624 fps	50,000 CUF 47,800 CUF 47,800 CUF 47,800 CUF 49,000 CUF 49,000 CUF 43,500 CUF 49,400 CUF 49,000 CUF 49,000 CUF 49,000 CUF 49,000 CUF 49,700 CUF 48,000 CUF 48,000 CUF 48,000 CUF 48,000 CUF
Bullet 40 GR. NOS BT 45 GR. SPR SP 50 GR. SPR SP	AR2206H AR2208 Powder AR2207 AR2219 Bench Mark 2 AR2206H AR2208 AR2219 Bench Mark 2 AR2206H AR2208 AR2219 Bench Mark 2 AR2206H AR2208 AR2219 AR2206H AR2208 AR2219 AR2219 AR2219 AR2208 AR2219	.224" .224" .224"	2.050" 2.050" 2.050" C.O.L. 2.090" 2.090" 2.090" 1.945" 1.945" 1.945" 1.945" 1.945" 1.945" 1.945" 2.065"	26.0 26.5 Case: R Twist: 1 Primer: 25.5 28.0 30.0 31.0 29.5 30.0 31.5 29.0 29.5 30.0 31.5 28.0 29.5 28.0	3,047 fps 3,147 fps emington (refine the first transform) Start load Velocity 3,645 fps 3,561 fps 3,564 fps 3,594 fps 3,594 fps 3,429 fps 3,429 fps 3,292 fps 3,292 fps 3,398 fps 3,404 fps 3,426 fps 3,270 fps	42,000 CUP 43,600 CUP 36,500 CUP 41,400 CUP 41,400 CUP 41,000 CUP 41,600 CUP 41,600 CUP 41,000 CUP 41,000 CUP 41,000 CUP 36,800 CUP 37,000 CUP 41,200 CUP 38,900 CUP 38,900 CUP	28.0 28.5 Barrel le Trim len Grs. 27.6 30.0 32.0 32.8 33.5 31.5 31.6 32.5 33.5 30.5 31.5 30.0	3,346 fps 3,317 fps angth: 24" agth: 1.510" Maximum I Velocity 3,859 fps 3,795 fps 3,816 fps 3,788 fps 3,741 fps 3,702 fps 3,768 fps 3,637 fps 3,637 fps 3,636 fps 3,634 fps 3,634 fps 3,644 fps 3,544 fps	000 CUF 47,800 CUF 47,800 CUF 47,800 CUF 49,000 CUF 49,000 CUF 49,200 CUF 48,900 CUF 49,000 CUF 49,000 CUF 49,000 CUF 49,700 CUF 48,000 CUF 48,000 CUF 48,000 CUF 48,000 CUF 48,000 CUF 48,000 CUF 49,200 CUF
Bullet 40 GR. NOS BT 45 GR. SPR SP 50 GR. SPR SP	AR2206H AR2208 Powder AR2207 AR2219 Bench Mark 2 AR2206H AR2208 AR2219 Bench Mark 2 AR2206H AR2208 AR2219 Bench Mark 2 AR2206H AR2208 AR2219 Bench Mark 2 AR2208 AR2219 Bench Mark 2 AR2208 AR2219 Bench Mark 2 AR2208H AR2208 AR2219 Bench Mark 2	224" 224" Bullet Diam. 224" 224" 224" 224" 224" 224" 224" 224	2.050" 2.050" 2.050" 2.050" 2.090" 2.090" 2.090" 2.090" 1.945" 1.945" 1.945" 1.945" 1.945" 2.065" 2.065"	26.0 26.5 Case: R Twist: 1 Primer: 25.5 28.0 30.0 31.0 31.5 29.0 29.5 30.0 29.5 30.0 29.5 28.0 29.5 28.0 29.5 28.0	3,047 fps 3,147 fps 3,147 fps emington (refi:14" Remington 7 Start loa: Velocity 3,645 fps 3,542 fps 3,542 fps 3,594 fps 3,486 fps 3,409 fps 3,429 fps 3,292 fps 3,292 fps 3,398 fps 3,404 fps 3,426 fps 3,270 fps 3,305 fps	42,000 CUP 43,600 CUP 1/2 ds Pressure 43,200 CUP 38,000 CUP 41,400 CUP 41,000 CUP 41,000 CUP 41,600 CUP 41,600 CUP 40,400 CUP 40,400 CUP 41,200 CUP 38,900 CUP 41,200 CUP	28.0 28.5 Barrel le Trim len Grs. 27.6 30.0 32.0 32.8 33.5 31.5 31.6 32.5 33.5 30.5 31.5 30.0 30.5	3,346 fps 3,317 fps 3,317 fps ength: 24" egth: 1.510" Maximum I Velocity 3,859 fps 3,795 fps 3,816 fps 3,788 fps 3,741 fps 3,702 fps 3,768 fps 3,693 fps 3,693 fps 3,618 fps 3,618 fps 3,624 fps 3,523 fps 3,523 fps	0ads Pressure 50,400 CUF 49,000 CUF 49,000 CUF 49,200 CUF 49,400 CUF 48,900 CUF 49,000 CUF 49,000 CUF 48,000 CUF 48,000 CUF 48,000 CUF 48,000 CUF 48,000 CUF 48,000 CUF 49,000 CUF
Bullet 40 GR. NOS BT 45 GR. SPR SP 50 GR. SPR SP	AR2206H AR2208 Powder AR2207 AR2219 Bench Mark 2 AR2206H AR2208	.224" .224"	2.050" 2.050" 2.050" 2.050" 2.090" 2.090" 2.090" 2.090" 1.945" 1.945" 1.945" 1.945" 1.945" 2.065" 2.065"	26.0 26.5 Case: R Twist: 1 Primer: 25.5 28.0 30.0 31.0 31.5 29.0 29.5 30.0 31.5 28.0 29.5 31.5 28.0 29.5 29.5 31.5 28.0 29.5	3,047 fps 3,147 fps 3,147 fps emington (refi:14" Remington 7 Start loa: Velocity 3,645 fps 3,561 fps 3,542 fps 3,594 fps 3,594 fps 3,409 fps 3,409 fps 3,429 fps 3,292 fps 3,292 fps 3,398 fps 3,404 fps 3,426 fps 3,270 fps 3,377 fps	42,000 CUP 43,600 CUP 1/2 ds Pressure 43,200 CUP 38,000 CUP 41,400 CUP 41,000 CUP 41,000 CUP 41,600 CUP 36,800 CUP 36,800 CUP 36,800 CUP 36,800 CUP 37,000 CUP 41,200 CUP 41,200 CUP 41,200 CUP 41,200 CUP 41,200 CUP	28.0 28.5 Barrel le Trim len Grs. 27.6 30.0 32.0 32.8 33.5 31.5 31.6 32.5 33.5 30.5 31.5 32.0 33.5 30.0 30.5 31.5	3,346 fps 3,317 fps angth: 24" agth: 1.510" Maximum I Velocity 3,859 fps 3,795 fps 3,816 fps 3,788 fps 3,741 fps 3,768 fps 3,693 fps 3,693 fps 3,637 fps 3,618 fps 3,624 fps 3,524 fps 3,523 fps 3,566 fps	50,000 CUP 47,800 CUP

				Case: R	temington (ref	omed)	Barrelle	ength: 24"	
22 BR Remington	n			Twist: 1	:14"		Trim len	ngth: 1.510"	
. .				Primer:	Remington 7	1/2			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
	AR2206H	.224"	2.050"	29.0	3,212 fps	37,100 CUP	31.0	3,478 fps	49,400 CUP
	AR2208	.224"	2.050"	30.0	3,308 fps	41,600 CUP	32.5	3,530 fps	49,300 CUP
63 GR. SIE SP	AR2219	.224"	2.015"	24.0	2,962 fps	40,800 CUP	26.5	3,120 fps	48,800 CUP
	Bench Mark 2	.224"	2.015"	27.0	3,088 fps	42,000 CUP	29.0	3,270 fps	49,300 CUP
	AR2206H	.224"	2.015"	26.0	2,994 fps	41,600 CUP	28.0	3,146 fps	49,400 CUP
	AR2208	.224"	2.015"	28.5	3,134 fps	44,500 CUP	30.5	3,307 fps	49,300 CUP
70 GR. SPR SP	AR2219	.224"	1.900"	22.0	2,696 fps	40,000 CUP	24.0	2,889 fps	49,900 CUP
	Bench Mark 2	.224"	1.900"	26.0	2,919 fps	43,400 CUP	28.0	3,095 fps	49,700 CUP
	AR2206H	.224"	1.900"	23.0	2,707 fps	41,400 CUP	24.5	2,845 fps	50,000 CUP
	AR2208	.224"	1.900"	26.0	2,858 fps	43,000 CUP	28.0	3,035 fps	49,500 CUP
	1	ı	l					,	
				Case:				ength: 24"	
5.6 x 50mm Magr	num (5.6 x 50Rmm)			Twist: -			Trim len	igth: -	
				Primer:					
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
40 GR.	AR2206	-	-	-	-	-	29.0	3,630 fps	-
45 GR.	AR2206	-	-	-	-	-	28.5	3,550 fps	-
	AR2208	-	-	_	-	-	30.0	3,550 fps	-
50 GR.	AR2206	-	-	-	-	-	28.0	3,500 fps	-
	AR2208	-	-	_	-	-	29.5	3,500 fps	-
55 GR.	AR2206	-	-	-	-	-	27.0	3,300 fps	-
	AR2208	-	-	-	-	-	28.5	3,300 fps	-
CO CD	AR2208	-	-	_	_	-	27.5	3,250 fps	-
60 GR.									
60 GR. 70 GR.	AR2208	-	-	-	-	-	26.5	3,100 fps	-
		-	-	- Case:	-	-		,	-
70 GR.	AR2208	-	-	Case:	-	-	Barrel le	ength: 24"	-
70 GR.		-	-	Twist: -	-	-		ength: 24"	-
70 GR.	AR2208	-	-				Barrel le	ength: 24"	-
70 GR. 22 Savage Hi Pov	AR2208 wer (5.6 x 52Rmm)			Twist: - Primer:	Start loa	ds	Barrel le	ength: 24" ngth: - Maximum I	1
70 GR. 22 Savage Hi Pov	AR2208 wer (5.6 x 52Rmm) Powder	Bullet Diam.	C.O.L.	Twist: -			Barrel le Trim len	ength: 24" ngth: - Maximum I Velocity	oads Pressure
70 GR. 22 Savage Hi Pov	AR2208 wer (5.6 x 52Rmm) Powder AR2207			Twist: - Primer:	Start loa	ds	Barrel le Trim len Grs. 21.5	ength: 24" egth: - Maximum I Velocity 2,900 fps	1
70 GR. 22 Savage Hi Pov	AR2208 wer (5.6 x 52Rmm) Powder			Twist: - Primer:	Start loa	ds	Barrel le Trim len	ength: 24" ngth: - Maximum I Velocity	1
70 GR. 22 Savage Hi Pov	AR2208 wer (5.6 x 52Rmm) Powder AR2207			Twist: - Primer: Grs	Start loa	ds	Grs. 21.5	ength: 24" egth: - Maximum I Velocity 2,900 fps	1
70 GR. 22 Savage Hi Pov	AR2208 Wer (5.6 x 52Rmm) Powder AR2207 AR2208			Twist: - Primer: Grs	Start load Velocity Veatherby	ds	Grs. 21.5 24.5 Barrel le	ength: 24" egth: - Maximum I Velocity 2,900 fps 2,900 fps	1
70 GR. 22 Savage Hi Pov Bullet 70 GR.	AR2208 Wer (5.6 x 52Rmm) Powder AR2207 AR2208			Twist: - Primer: Grs Case: V Twist: 1	Start load Velocity Veatherby	ds	Grs. 21.5 24.5 Barrel le	Maximum I Velocity 2,900 fps 2,900 fps ength: 23"	1
70 GR. 22 Savage Hi Pov Bullet 70 GR.	AR2208 Wer (5.6 x 52Rmm) Powder AR2207 AR2208			Twist: - Primer: Grs Case: V Twist: 1	Start load Velocity Veatherby :14"	ds Pressure	Grs. 21.5 24.5 Barrel le	Maximum I Velocity 2,900 fps 2,900 fps ength: 23"	Pressure - -
70 GR. 22 Savage Hi Pov Bullet 70 GR.	AR2208 Wer (5.6 x 52Rmm) Powder AR2207 AR2208			Twist: - Primer: Grs Case: V Twist: 1	Start load Velocity Veatherby :14" Federal 210	ds Pressure	Grs. 21.5 24.5 Barrel le	Maximum I Velocity 2,900 fps 2,900 fps ength: 23" egth: 1.915"	Pressure - -
70 GR. 22 Savage Hi Pov Bullet 70 GR. 224 Weatherby M	AR2208 Wer (5.6 x 52Rmm) Powder AR2207 AR2208 lagnum	Bullet Diam.	C.O.L	Twist: - Primer: Grs Case: V Twist: 1 Primer:	Start load Velocity Veatherby :14" Federal 210 Start load	ds Pressure ds	Grs. 21.5 24.5 Barrel le	Maximum I Velocity 2,900 fps 2,900 fps 2,911 1.915" Maximum I	Pressure oads
70 GR. 22 Savage Hi Pov Bullet 70 GR. 224 Weatherby M	AR2208 Wer (5.6 x 52Rmm) Powder AR2207 AR2208 lagnum Powder	Bullet Diam Bullet Diam.	C.O.L.	Twist: - Primer: Grs Case: W Twist: 1 Primer: Grs.	Start load Velocity Veatherby :14" Federal 210 Start load Velocity	ds Pressure ds Pressure	Grs. 21.5 24.5 Barrel le	Maximum I Velocity 2,900 fps 2,900 fps ength: 23" egth: 1.915" Maximum I Velocity	Pressure oads Pressure
70 GR. 22 Savage Hi Pov Bullet 70 GR. 224 Weatherby M Bullet 45 GR. SIE SP	AR2208 Wer (5.6 x 52Rmm) Powder AR2207 AR2208 lagnum Powder AR2206H	Bullet Diam. Bullet Diam 224"	C.O.L	Twist: - Primer: Grs Case: W Twist: 1 Primer: Grs. 29.5	Start load Velocity Veatherby :14" Federal 210 Start load Velocity 3,419 fps	ds Pressure ds Pressure	Grs. 21.5 24.5 Barrel le Trim len	Maximum I Velocity 2,900 fps 2,900 fps 2,900 fps Maximum I Velocity 3,861 fps	Pressure oads Pressure -
70 GR. 22 Savage Hi Pov Bullet 70 GR. 224 Weatherby M Bullet 45 GR. SIE SP	AR2208 Wer (5.6 x 52Rmm) Powder AR2207 AR2208 lagnum Powder AR2206H AR2206	Bullet Diam. Bullet Diam	C.O.L. - - 2.375"	Twist: - Primer: Grs Case: V Twist: 1 Primer: Grs. 29.5 28.5	Start load Velocity Veatherby :14" Federal 210 Start load Velocity 3,419 fps 3,215 fps	ds Pressure ds Pressure	Grs. 21.5 24.5 Barrel le Trim len Grs. 32.0 30.5	Maximum I Velocity 2,900 fps 2,900 fps 2,900 fps 4,900 f	Pressure oads Pressure -
70 GR. 22 Savage Hi Pov Bullet 70 GR. 224 Weatherby M Bullet 45 GR. SIE SP 50 GR. HDY SP	AR2208 Wer (5.6 x 52Rmm) Powder AR2207 AR2208 AR2208 AR2206H AR2206 AR2206H AR2206H	Bullet Diam. Bullet Diam	C.O.L 2.375" - 2.375"	Twist: - Primer: Grs Case: W Twist: 1 Primer: Grs. 29.5 28.5 28.5	Start load Velocity Veatherby :14" Federal 210 Start load Velocity 3,419 fps 3,215 fps 3,199 fps	ds Pressure ds Pressure	Grs. 21.5 24.5 Barrel le Trim len Grs. 32.0 30.5 31.0	Maximum I Velocity 2,900 fps 2,900 fps ength: 23" ength: 1.915" Maximum I Velocity 3,861 fps 3,580 fps 3,648 fps	Pressure oads Pressure -
70 GR. 22 Savage Hi Pov Bullet 70 GR. 224 Weatherby M Bullet 45 GR. SIE SP 50 GR. HDY SP	AR2208 Wer (5.6 x 52Rmm) Powder AR2207 AR2208 AR2208 AR2206 AR2206	Bullet Diam. Bullet Diam 224" - 224" -	C.O.L 2.375" - 2.375" -	Twist: - Primer: Grs Case: W Twist: 1 Primer: Grs. 29.5 28.5 28.5 27.5	Start load Velocity Veatherby :14" Federal 210 Start load Velocity 3,419 fps 3,215 fps 3,199 fps 3,050 fps	ds Pressure ds Pressure	Grs. 21.5 24.5 Barrel le Trim len Grs. 32.0 30.5 31.0 30.0	Maximum I Velocity 2,900 fps 2,900 fps 2,900 fps 4,900 fps 4,900 fps 4,900 fps 4,900 fps 4,900 fps 4,900 fps 5,900 fps 6,900 fps 6,900 fps 7,900 fps 7,900 fps 7,900 fps 7,900 fps 8,900 fps 7,900 f	Pressure

224 Weatherby Magnum				Case: Weatherby Twist: 1:14" Primer: Federal 210			Barrel length: 23" Trim length: 1.915"		
				i illiloi.	Start load	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
	AR2209	.224"	2.375"	32.0	2,879 fps	-	34.0	3,240 fps	-
	AR2213SC	.224"	2.375"	31.5	2,834 fps	-	34.0	3,200 fps	-
60 GR. HDY SP	AR2206	-	-	26.0	2,800 fps	-	28.0	3,215 fps	-
	AR2206H	.224"	2.375"	26.0	2,792 fps	-	28.0	3,205 fps	-
	AR2209	.224"	2.375"	31.0	2,832 fps	-	34.0	3,240 fps	-
	AR2213SC	.224"	2.375"	31.0	2,781 fps	-	33.5	3,041 fps	-
70 GR. SPR SP	AR2209	.224"	2.310"	30.0	2,644 fps	-	32.0	2,777 fps	-
	AR2213SC	.224"	2.310"	30.0	2,395 fps	-	32.0	2,486 fps	-
				Coos: V	Vinabactor		Porrel le	ength: 28"	
219 Donaldson Wasp				Case: Winchester Twist: 1:14"				ngth: 1.740"	
219 Donaidson W	vasp					_		igui. 1.740	
				Primer:	Winchester LF		Т		
					Start load		Maximum loads		
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
40 GR. SIE SP	AR2206H	.224"	2.130"	-	-	-	28.0	3,312 fps	-
55 GR. HDY SP	AR2206H	.224"	2.130"	-	-	-	28.0	3,501 fps	-
				Case:			Barrel le	ength: 24"	
219 Zipper				Twist: - Trim length: -					
••				Primer:					
				Start loads			Maximum loads		
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
45 GR.	AR2207	-	-	-	-	-	22.0	3,200 fps	-
	AR2206	-	-	-	-	-	25.0	3,200 fps	-
	AR2208	-	-	-	-	-	26.0	3,200 fps	-
50 GR.	AR2207	-	-	-	-	-	21.0	3,000 fps	-
	AR2206	-	-	-	-	-	24.0	3,000 fps	-
	AR2208	-	-	-	-	-	25.0	3,000 fps	-
52-53 GR.	AR2207	-	-	-	-	-	20.5	2,900 fps	-
	AR2206	-	-	-	-	-	23.5	2,900 fps	-
	AR2208	-	-	-	-	-	24.5	2,900 fps	-
55 GR.	AR2207	-	-	-	-	-	20.0	2,800 fps	-
	AR2206	-	-	-	-	-	23.0	2,800 fps	-
	AR2208	-	_	_	-	-	24.0	2,800 fps	_

				Case: V	/inchester		Barrel le	ength: 26"	
225 Winchester				Twist: 1	:14"		Trim len	gth: 1.920"	
				Primer:	Winchester L	R			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
40 GR. SPR SP	AR2219	.224"	2.370"	28.0	3,628 fps	39,700 CUP	31.0	3,896 fps	49,800 CUP
	AR2206	-	-	30.0	3,435 fps	-	33.0	3,780 fps	-
	AR2206H	.224"	2.370"	31.5	3,583 fps	39,600 CUP	34.0	3,811 fps	48,200 CUP
45 GR. HDY SP	AR2219	.224"	2.425"	27.0	3,303 fps	36,500 CUP	30.0	3,685 fps	50,000 CUP
	AR2206	-	-	29.0	3,345 fps	-	32.0	3,690 fps	-
	AR2206H	.224"	2.425"	31.0	3,504 fps	39,600 CUP	33.5	3,736 fps	49,300 CUP
50 GR. SIE SP	AR2219	.224"	2.400"	26.0	3,164 fps	37,500 CUP	29.0	3,401 fps	48,900 CUP
	AR2206	-	-	29.0	3,340 fps	-	32.0	3,685 fps	-
	AR2206H	.224"	2.400"	31.0	3,330 fps	38,400 CUP	34.0	3,722 fps	48,400 CUP
52 GR. SPR SP	AR2219	.224"	2.500"	26.0	3,128 fps	39,200 CUP	28.5	3,333 fps	48,000 CUP
	AR2206	-	-	28.0	3,110 fps	-	31.0	3,445 fps	-
	AR2206H	.224"	2.500"	29.5	3,239 fps	37,200 CUP	32.0	3,463 fps	49,600 CUP
55 GR. HDY SP	AR2219	.224"	2.420"	25.5	3,052 fps	38,600 CUP	28.0	3,283 fps	48,900 CUP
	AR2206	-	-	27.5	3,070 fps	-	30.5	3,405 fps	-
	AR2206H	.224"	2.420"	29.5	3,159 fps	36,000 CUP	32.0	3,476 fps	48,000 CUP
	AR2209	.224"	2.420"	35.0	2,970 fps	37,600 CUP	37.0	3,189 fps	46,000 CUP
60 GR. HDY SP	AR2206	-	-	27.0	3,040 fps	-	30.0	3,380 fps	-
	AR2206H	.224"	2.410"	29.0	3,125 fps	43,200 CUP	32.0	3,396 fps	49,000 CUP
	AR2209	.224"	2.410"	34.0	2,911 fps	37,000 CUP	36.0	3,120 fps	44,400 CUP
70 GR. SPR SP	AR2209	.224"		l	2,696 fps	39,100 CUP	35.0	2,949 fps	47,800 CUP
10 UK. 3FK 3F	ANZZUS	.224	2.310"	32.0	2,090 lps	39, 100 COP	55.0	2,949 lps	47,000 001
IU UR. OFR OF	ANZZUS	.224	2.310			39, 100 COF		,	47,000 001
	ANZZUS	.224	2.310	Case: V	/inchester	39,100 COF	Barrel le	ength: 24"	47,000 001
22-250 Remington	A12209	.224	2.310	Case: V	Vinchester	,	Barrel le	,	47,000 001
	A12209	.224	2.310	Case: V	/inchester :14" Winchester L	R	Barrel le	ength: 24" egth: 1.902"	
22-250 Remington				Case: V Twist: 1 Primer:	/inchester :14" Winchester L Start loa	R ds	Barrel le	ength: 24" gth: 1.902" Maximum I	oads
22-250 Remington	Powder	Bullet Diam.	C.O.L.	Case: V Twist: 1 Primer:	/inchester :14" Winchester L Start load Velocity	R ds Pressure	Barrel le Trim len	ength: 24" gth: 1.902" Maximum I Velocity	oads Pressure
22-250 Remington	Powder Bench Mark 2	Bullet Diam.	C.O.L. 2.350"	Case: V Twist: 1 Primer: Grs. 35.7	/inchester :14" Winchester Li Start loa Velocity 4,170 fps	R ds Pressure 48,700 PSI	Barrel le Trim len Grs. 38.0	ength: 24" gth: 1.902" Maximum I Velocity 4,476 fps	oads Pressure 62,600 PSI
22-250 Remington	Powder Bench Mark 2 Bench Mark 8208	Bullet Diam. .224" .224"	C.O.L. 2.350" 2.350"	Case: W Twist: 1 Primer: Grs. 35.7 35.1	/inchester :14" Winchester L Start loa Velocity 4,170 fps 4,096 fps	R ds Pressure 48,700 PSI 46,900 PSI	Grs. 38.0	Maximum I Velocity 4,476 fps 4,469 fps	oads Pressure 62,600 PSI 60,700 PSI
22-250 Remington	Powder Bench Mark 2 Bench Mark 8208 AR2206H	Bullet Diam224" .224" .224"	C.O.L. 2.350" 2.350" 2.350"	Case: W Twist: 1 Primer: Grs. 35.7 35.1 34.1	/inchester Li 'inchester Li 'inchester Li Start loa Velocity 4,170 fps 4,096 fps 4,120 fps	R ds Pressure 48,700 PSI 46,900 PSI 47,200 PSI	Grs. 38.0 39.0 37.5C	ength: 24" gth: 1.902" Maximum I Velocity 4,476 fps 4,469 fps 4,432 fps	oads Pressure 62,600 PSI 60,700 PSI 58,200 PSI
22-250 Remington Bullet 35 GR. NOS LF	Powder Bench Mark 2 Bench Mark 8208 AR2206H AR2208	Bullet Diam224" .224" .224" .224"	C.O.L. 2.350" 2.350" 2.350" 2.350"	Case: W Twist: 1 Primer: Grs. 35.7 35.1 34.1 35.6	/inchester Little Winchester Little Winchester Little Start load Velocity 4,170 fps 4,096 fps 4,120 fps 3,929 fps	R ds Pressure 48,700 PSI 46,900 PSI 42,900 PSI	Grs. 38.0 39.0 37.5C 39.5C	Maximum I Velocity 4,476 fps 4,432 fps 4,421 fps	oads Pressure 62,600 PSI 60,700 PSI 58,200 PSI 61,000 PSI
22-250 Remington	Powder Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 2	Bullet Diam224" .224" .224" .224" .224"	C.O.L. 2.350" 2.350" 2.350" 2.350" 2.350"	Case: W Twist: 1 Primer: Grs. 35.7 35.1 34.1 35.6 35.6	Vinchester Little Winchester Little Start load Velocity 4,170 fps 4,096 fps 4,120 fps 3,929 fps 4,108 fps	R ds Pressure 48,700 PSI 46,900 PSI 42,900 PSI 51,700 PSI	Grs. 38.0 39.0 37.5C 39.5C 37.8	Maximum I Velocity 4,476 fps 4,432 fps 4,335 fps	oads Pressure 62,600 PSI 60,700 PSI 58,200 PSI 61,000 PSI 61,100 PSI
22-250 Remington Bullet 35 GR. NOS LF	Powder Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 2 Bench Mark 8208	Bullet Diam224" .224" .224" .224" .224" .224"	C.O.L. 2.350" 2.350" 2.350" 2.350" 2.350" 2.350"	Case: W Twist: 1 Primer: Grs. 35.7 35.1 34.1 35.6 35.6 36.5	Vinchester L Start loa Velocity 4,170 fps 4,096 fps 4,120 fps 3,929 fps 4,108 fps 4,137 fps	R ds Pressure 48,700 PSI 46,900 PSI 47,200 PSI 42,900 PSI 51,700 PSI 50,700 PSI	Grs. 38.0 39.0 37.5C 39.5C 37.8	Maximum I Velocity 4,476 fps 4,469 fps 4,432 fps 4,431 fps 4,335 fps 4,404 fps	0ads Pressure 62,600 PSI 60,700 PSI 58,200 PSI 61,000 PSI 61,100 PSI 62,300 PSI
22-250 Remington Bullet 35 GR. NOS LF	Powder Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 2 Bench Mark 8208 AR2206H	Bullet Diam224" .224" .224" .224" .224" .224" .224"	C.O.L. 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350"	Case: W Twist: 1 Primer: Grs. 35.7 35.1 34.1 35.6 35.6 36.5 36.5	/inchester L:14" Winchester L: Start loa: Velocity 4,170 fps 4,096 fps 4,120 fps 3,929 fps 4,108 fps 4,137 fps 4,130 fps	R ds Pressure 48,700 PSI 46,900 PSI 47,200 PSI 42,900 PSI 51,700 PSI 50,700 PSI	Grs. 38.0 39.0 37.5C 39.5C 37.8 38.8 39.0C	Maximum I Velocity 4,476 fps 4,469 fps 4,432 fps 4,421 fps 4,335 fps 4,404 fps 4,376 fps	oads Pressure 62,600 PSI 60,700 PSI 58,200 PSI 61,000 PSI 61,100 PSI 62,300 PSI 61,400 PSI
22-250 Remington Bullet 35 GR. NOS LF 36 GR. BAR VG FB	Powder Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 2 Bench Mark 8208 AR2206H AR2208	Bullet Diam224" .224" .224" .224" .224" .224" .224" .224" .224"	C.O.L. 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350"	Case: W Twist: 1 Primer: Grs. 35.7 35.1 34.1 35.6 35.6 36.5 36.6 37.8	Vinchester L14" Winchester L14" Winchester L1 Start loa Velocity 4,170 fps 4,096 fps 4,120 fps 3,929 fps 4,108 fps 4,137 fps 4,130 fps 4,061 fps	R ds Pressure 48,700 PSI 46,900 PSI 47,200 PSI 42,900 PSI 51,700 PSI 50,700 PSI 50,800 PSI	Grs. 38.0 39.0 37.5C 39.5C 37.8 38.8 39.0C 40.2C	Maximum I Velocity 4,476 fps 4,469 fps 4,432 fps 4,421 fps 4,335 fps 4,404 fps 4,376 fps 4,277 fps	0ads Pressure 62,600 PSI 60,700 PSI 58,200 PSI 61,000 PSI 61,100 PSI 62,300 PSI 61,400 PSI 59,800 PSI
22-250 Remington Bullet 35 GR. NOS LF	Powder Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 8208 Bench Mark 8208	Bullet Diam224" .224" .224" .224" .224" .224" .224" .224" .224" .224"	C.O.L. 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350"	Case: W Twist: 1 Primer: Grs. 35.7 35.1 34.1 35.6 36.5 36.6 37.8 34.0	Vinchester L14" Winchester L14" Winchester L1 Start load Velocity 4,170 fps 4,096 fps 4,120 fps 3,929 fps 4,108 fps 4,137 fps 4,130 fps 4,061 fps 3,837 fps	R ds Pressure 48,700 PSI 46,900 PSI 47,200 PSI 42,900 PSI 51,700 PSI 50,700 PSI 50,700 PSI 41,600 CUP	Grs. 38.0 39.0 37.5C 39.5C 37.8 38.8 39.0C 40.2C 36.5	Maximum I Velocity 4,476 fps 4,469 fps 4,432 fps 4,431 fps 4,335 fps 4,404 fps 4,376 fps 4,277 fps 4,114 fps	0ads Pressure 62,600 PSI 60,700 PSI 58,200 PSI 61,000 PSI 61,000 PSI 62,300 PSI 61,400 PSI 59,800 PSI 59,800 PSI
22-250 Remington Bullet 35 GR. NOS LF 36 GR. BAR VG FB 40 GR. NOS BT	Powder Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 8208 Bench Mark 8208	Bullet Diam224" .224" .224" .224" .224" .224" .224" .224" .224"	C.O.L. 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350"	Case: W Twist: 1 Primer: Grs. 35.7 35.1 34.1 35.6 36.5 36.6 37.8 34.0 35.0	Vinchester Little Winchester Little Winchester Little Velocity 4,170 fps 4,096 fps 4,120 fps 3,929 fps 4,108 fps 4,137 fps 4,130 fps 4,061 fps 3,837 fps 3,944 fps	R ds Pressure 48,700 PSI 46,900 PSI 47,200 PSI 42,900 PSI 51,700 PSI 50,700 PSI 50,800 PSI	Grs. 38.0 39.0 37.5C 39.5C 37.8 38.8 39.0C 40.2C 36.5 39.0	Maximum I Velocity 4,476 fps 4,469 fps 4,432 fps 4,421 fps 4,335 fps 4,404 fps 4,376 fps 4,277 fps 4,114 fps 4,336 fps	0ads Pressure 62,600 PSI 60,700 PSI 58,200 PSI 61,000 PSI 61,100 PSI 62,300 PSI 61,400 PSI 59,800 PSI
22-250 Remington Bullet 35 GR. NOS LF 36 GR. BAR VG FB 40 GR. NOS BT 40 GR.	Powder Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 22 Bench Mark 8208 AR2206 Bench Mark 2	Bullet Diam224" .224" .224" .224" .224" .224" .224" .224" .224" .224"	C.O.L. 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" -	Case: W Twist: 1 Primer: Grs. 35.7 35.1 34.1 35.6 36.5 36.6 37.8 34.0 35.0 34.0	Vinchester L14" Winchester L14" Winchester L1 Start loar Velocity 4,170 fps 4,096 fps 4,120 fps 3,929 fps 4,108 fps 4,137 fps 4,130 fps 4,061 fps 3,837 fps 3,944 fps 3,780 fps	R ds Pressure 48,700 PSI 46,900 PSI 47,200 PSI 51,700 PSI 50,700 PSI 50,700 PSI 50,800 PSI 41,600 CUP 47,000 PSI	Grs. 38.0 39.0 37.5C 39.5C 37.8 38.8 39.0C 40.2C 36.5 39.0 37.0	Maximum I Velocity 4,476 fps 4,469 fps 4,432 fps 4,421 fps 4,335 fps 4,404 fps 4,376 fps 4,277 fps 4,114 fps 4,336 fps 4,175 fps	oads Pressure 62,600 PSI 60,700 PSI 58,200 PSI 61,000 PSI 61,100 PSI 62,300 PSI 61,400 PSI 59,800 PSI 50,100 CUP 63,500 PSI
22-250 Remington Bullet 35 GR. NOS LF 36 GR. BAR VG FB 40 GR. NOS BT	Powder Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 8208 AR2206 AR2206 AR2206H	Bullet Diam224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224"	C.O.L. 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" - 2.350"	Case: W Twist: 1 Primer: Grs. 35.7 35.1 34.1 35.6 36.5 36.6 37.8 34.0 35.0 34.0	Vinchester L14" Winchester L14" Winchester L1 Start loa Velocity 4,170 fps 4,096 fps 4,120 fps 3,929 fps 4,108 fps 4,137 fps 4,130 fps 4,061 fps 3,837 fps 3,944 fps 3,780 fps 3,780 fps	R ds Pressure 48,700 PSI 46,900 PSI 47,200 PSI 51,700 PSI 50,700 PSI 50,700 PSI 41,600 CUP 47,000 PSI - 43,800 CUP	Grs. 38.0 39.0 37.5C 37.8 38.8 39.0C 40.2C 36.5 39.0 37.0	Maximum I Velocity 4,476 fps 4,469 fps 4,432 fps 4,431 fps 4,335 fps 4,404 fps 4,277 fps 4,114 fps 4,336 fps 4,175 fps 4,060 fps	Oads Pressure 62,600 PSI 60,700 PSI 58,200 PSI 61,000 PSI 61,100 PSI 62,300 PSI 61,400 PSI 59,800 PSI 50,100 CUP 63,500 PSI - 48,700 CUP
22-250 Remington Bullet 35 GR. NOS LF 36 GR. BAR VG FB 40 GR. NOS BT 40 GR. 40 GR. NOS BT	Powder Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 8208 AR2206H AR2208 Bench Mark 2 Bench Mark 2 Bench Mark 8208 AR2206 AR2206 AR2206 AR2208	Bullet Diam. .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224"	C.O.L. 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350"	Case: W Twist: 1 Primer: Grs. 35.7 35.1 34.1 35.6 36.5 36.6 37.8 34.0 35.0 34.0 37.5	Vinchester Little Winchester Little Winchester Little Velocity 4,170 fps 4,096 fps 4,120 fps 3,929 fps 4,108 fps 4,137 fps 4,130 fps 4,061 fps 3,837 fps 3,944 fps 3,750 fps 3,936 fps	R ds Pressure 48,700 PSI 46,900 PSI 47,200 PSI 51,700 PSI 50,700 PSI 50,800 PSI 41,600 CUP 43,800 CUP 43,400 CUP	Grs. 38.0 39.0 37.5C 39.5C 39.8 38.8 39.0C 40.2C 36.5 39.0 37.0 37.0	Maximum I Velocity 4,476 fps 4,469 fps 4,432 fps 4,431 fps 4,335 fps 4,404 fps 4,376 fps 4,277 fps 4,114 fps 4,336 fps 4,175 fps 4,060 fps 4,135 fps	Oads Pressure 62,600 PSI 60,700 PSI 58,200 PSI 61,000 PSI 61,100 PSI 62,300 PSI 59,800 PSI 59,800 PSI 50,100 CUP 63,500 PSI - 48,700 CUP 51,100 CUP
22-250 Remington Bullet 35 GR. NOS LF 36 GR. BAR VG FB 40 GR. NOS BT 40 GR.	Powder Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 8208 AR2206H AR2208 Bench Mark 8208 AR2206H AR2208 Bench Mark 2 Bench Mark 2 AR2206 AR2206 AR2206 AR2206 AR2208 AR2208	Bullet Diam224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224"	C.O.L. 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350"	Case: W Twist: 1 Primer: Grs. 35.7 35.1 34.1 35.6 36.5 36.6 37.8 34.0 35.0 34.0 37.5 31.0	Vinchester L14" Winchester L14" Winchester L1 Start loar Velocity 4,170 fps 4,096 fps 4,120 fps 3,929 fps 4,108 fps 4,137 fps 4,130 fps 4,061 fps 3,837 fps 3,944 fps 3,780 fps 3,750 fps 3,936 fps 3,490 fps	R ds Pressure 48,700 PSI 46,900 PSI 47,200 PSI 51,700 PSI 50,700 PSI 50,700 PSI 41,600 CUP 43,400 CUP 44,600 CUP	Grs. 38.0 39.0 37.5C 39.5C 37.8 38.8 39.0C 40.2C 36.5 39.0 37.0 37.0 39.5	Maximum I Velocity 4,476 fps 4,469 fps 4,432 fps 4,431 fps 4,335 fps 4,404 fps 4,277 fps 4,277 fps 4,114 fps 4,336 fps 4,175 fps 4,060 fps 4,135 fps 3,720 fps	0ads Pressure 62,600 PSI 60,700 PSI 58,200 PSI 61,000 PSI 61,100 PSI 62,300 PSI 59,800 PSI 50,100 CUP 63,500 PSI - 48,700 CUP 48,500 CUP
22-250 Remington Bullet 35 GR. NOS LF 36 GR. BAR VG FB 40 GR. NOS BT 40 GR. 40 GR. NOS BT	Powder Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 8208 AR2206H AR2208 Bench Mark 8208 AR2206H AR2208 Bench Mark 2 Bench Mark 8208 AR2206 AR2206 AR2206 AR2206 AR2206H AR2208 AR2219 Bench Mark 2	Bullet Diam224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224"	C.O.L. 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.340"	Case: W Twist: 1 Primer: Grs. 35.7 35.1 34.1 35.6 36.5 36.6 37.8 34.0 35.0 34.0 37.5	Vinchester L14" Winchester L14" Winchester L1 Start loa Velocity 4,170 fps 4,096 fps 4,120 fps 3,929 fps 4,108 fps 4,137 fps 4,130 fps 4,061 fps 3,837 fps 3,944 fps 3,780 fps 3,780 fps 3,936 fps 3,490 fps 3,786 fps	R ds Pressure 48,700 PSI 46,900 PSI 47,200 PSI 51,700 PSI 50,700 PSI 50,700 PSI 41,600 CUP 43,800 CUP 44,600 CUP 45,300 CUP	Grs. 38.0 39.0 37.5C 39.5C 39.8 38.8 39.0C 40.2C 36.5 39.0 37.0 37.0	Maximum I Velocity 4,476 fps 4,469 fps 4,432 fps 4,431 fps 4,335 fps 4,404 fps 4,376 fps 4,277 fps 4,114 fps 4,336 fps 4,175 fps 4,060 fps 4,135 fps	0ads Pressure 62,600 PSI 60,700 PSI 58,200 PSI 61,000 PSI 61,100 PSI 62,300 PSI 61,400 PSI 59,800 PSI 50,100 CUP 63,500 PSI - 48,700 CUP 51,100 CUP 51,000 CUP
22-250 Remington Bullet 35 GR. NOS LF 36 GR. BAR VG FB 40 GR. NOS BT 40 GR. 40 GR. NOS BT	Powder Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 8208 AR2206H AR2206 AR2206H AR2208 AR2206H AR2208 AR2206H AR2208 AR2208 AR2208 AR2208 AR2208 AR2208 AR2208 AR2208	Bullet Diam. .224"	C.O.L 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.340" 2.340"	Case: W Twist: 1 Primer: Grs. 35.7 35.1 34.1 35.6 36.5 36.6 37.8 34.0 35.0 34.0 37.5 31.0 33.5 34.0	Vinchester L Start loa Velocity 4,170 fps 4,096 fps 4,120 fps 3,929 fps 4,108 fps 4,137 fps 4,137 fps 4,137 fps 4,061 fps 3,837 fps 3,944 fps 3,750 fps 3,750 fps 3,936 fps 3,490 fps 3,660 fps	R ds Pressure 48,700 PSI 46,900 PSI 47,200 PSI 42,900 PSI 51,700 PSI 50,700 PSI 50,800 PSI 41,600 CUP 43,800 CUP 43,400 CUP 44,600 CUP 45,300 CUP 47,300 CUP	Grs. 38.0 39.0 37.5C 39.5C 37.8 38.8 39.0C 40.2C 36.5 39.0 37.0 37.0 39.5	Maximum I Velocity 4,476 fps 4,469 fps 4,432 fps 4,432 fps 4,4335 fps 4,404 fps 4,335 fps 4,114 fps 4,336 fps 4,175 fps 4,175 fps 4,175 fps 4,135 fps 3,720 fps 3,979 fps 3,918 fps	0ads Pressure 62,600 PSI 60,700 PSI 61,000 PSI 61,000 PSI 61,400 PSI 61,400 PSI 59,800 PSI 50,100 CUP 48,700 CUP 48,500 CUP 51,000 CUP 49,100 CUP
22-250 Remington Bullet 35 GR. NOS LF 36 GR. BAR VG FB 40 GR. NOS BT 40 GR. NOS BT 45 GR. BAR XBT	Powder Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 8208 AR2206H AR2208 Bench Mark 8208 AR2206H AR2208 Bench Mark 2 Bench Mark 8208 AR2206 AR2206 AR2206 AR2206 AR2206H AR2208 AR2219 Bench Mark 2	Bullet Diam224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224" .224"	C.O.L. 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.340" 2.340" 2.340"	Case: W Twist: 1 Primer: Grs. 35.7 35.1 34.1 35.6 36.5 36.6 37.8 34.0 35.0 34.0 34.0 37.5 31.0 33.5	Vinchester L14" Winchester L14" Winchester L1 Start loa Velocity 4,170 fps 4,096 fps 4,120 fps 3,929 fps 4,108 fps 4,137 fps 4,130 fps 4,061 fps 3,837 fps 3,944 fps 3,780 fps 3,780 fps 3,936 fps 3,490 fps 3,786 fps	R ds Pressure 48,700 PSI 46,900 PSI 47,200 PSI 51,700 PSI 50,700 PSI 50,700 PSI 41,600 CUP 43,800 CUP 44,600 CUP 45,300 CUP	Grs. 38.0 39.0 37.5C 39.5C 37.8 38.8 39.0C 40.2C 36.5 39.0 37.0 39.5 32.5 36.0	Maximum I Velocity 4,476 fps 4,469 fps 4,432 fps 4,431 fps 4,335 fps 4,404 fps 4,277 fps 4,114 fps 4,336 fps 4,175 fps 4,060 fps 4,135 fps 3,720 fps 3,979 fps	0ads Pressure 62,600 PSI 60,700 PSI 58,200 PSI 61,000 PSI 61,100 PSI 62,300 PSI 61,400 PSI 59,800 PSI 50,100 CUP 63,500 PSI - 48,700 CUP 51,100 CUP 51,000 CUP
22-250 Remington Bullet 35 GR. NOS LF 36 GR. BAR VG FB 40 GR. NOS BT 40 GR. 40 GR. NOS BT	Powder Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 8208 AR2206H AR2206 AR2206H AR2208 AR2206H AR2208 AR2206H AR2208 AR2208 AR2208 AR2208 AR2208 AR2208 AR2208 AR2208	Bullet Diam. .224"	C.O.L 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.340" 2.340"	Case: W Twist: 1 Primer: Grs. 35.7 35.1 34.1 35.6 36.5 36.6 37.8 34.0 35.0 34.0 37.5 31.0 33.5 34.0	Vinchester L Start loa Velocity 4,170 fps 4,096 fps 4,120 fps 3,929 fps 4,108 fps 4,137 fps 4,137 fps 4,137 fps 4,061 fps 3,837 fps 3,944 fps 3,750 fps 3,750 fps 3,936 fps 3,490 fps 3,660 fps	R ds Pressure 48,700 PSI 46,900 PSI 47,200 PSI 42,900 PSI 51,700 PSI 50,700 PSI 50,800 PSI 41,600 CUP 43,800 CUP 43,400 CUP 44,600 CUP 45,300 CUP 47,300 CUP	Grs. 38.0 39.0 37.5C 39.5C 39.5C 37.8 38.8 39.0C 40.2C 36.5 39.0 37.0 39.5 32.5 36.0 37.0	Maximum I Velocity 4,476 fps 4,469 fps 4,432 fps 4,432 fps 4,4335 fps 4,404 fps 4,335 fps 4,114 fps 4,336 fps 4,175 fps 4,175 fps 4,175 fps 4,135 fps 3,720 fps 3,979 fps 3,918 fps	Oads Pressure 62,600 PSI 60,700 PSI 58,200 PSI 61,000 PSI 61,000 PSI 62,300 PSI 61,400 PSI 59,800 PSI 50,100 CUP 48,700 CUP 48,500 CUP 51,000 CUP 49,100 CUP
22-250 Remington Bullet 35 GR. NOS LF 36 GR. BAR VG FB 40 GR. NOS BT 40 GR. NOS BT 45 GR. BAR XBT	Powder Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 8208 AR2206H AR2208 Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 2 Bench Mark 8208 AR2219 Bench Mark 2 AR2208 AR2219 Bench Mark 2 AR2208	Bullet Diam224" .224"	C.O.L. 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.350" 2.340" 2.340" 2.340"	Case: W Twist: 1 Primer: Grs. 35.7 35.1 34.1 35.6 36.5 36.6 37.8 34.0 35.0 34.0 37.5 31.0 33.5 34.0 35.0	Vinchester L14" Winchester L14" Winchester L1 Start loar Velocity 4,170 fps 4,096 fps 4,120 fps 3,929 fps 4,108 fps 4,137 fps 4,130 fps 4,061 fps 3,837 fps 3,780 fps 3,780 fps 3,780 fps 3,490 fps 3,786 fps 3,660 fps 3,652 fps	R ds Pressure 48,700 PSI 46,900 PSI 47,200 PSI 51,700 PSI 50,700 PSI 50,700 PSI 41,600 CUP 47,000 PSI 43,800 CUP 44,600 CUP 45,300 CUP 47,300 CUP 46,000 CUP	Grs. 38.0 39.0 37.5C 39.5C 37.8 38.8 39.0C 40.2C 36.5 39.0 37.0 37.0 39.5 32.5 36.0 37.0 38.0	Maximum I Velocity 4,476 fps 4,469 fps 4,432 fps 4,421 fps 4,335 fps 4,404 fps 4,376 fps 4,277 fps 4,114 fps 4,336 fps 4,175 fps 4,1060 fps 4,135 fps 3,720 fps 3,979 fps 3,918 fps 3,921 fps	0ads Pressure 62,600 PSI 60,700 PSI 58,200 PSI 61,000 PSI 61,100 PSI 62,300 PSI 59,800 PSI 50,100 CUP 63,500 PSI - 48,700 CUP 51,100 CUP 49,100 CUP 49,200 CUP

				Case: V	Vinchester		Barrel le	ength: 24"	
22-250 Remington				Twist: 1	:14"		Trim len	ngth: 1.902"	
				Primer:	Winchester L	R			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
50 GR.	AR2206	_	-	33.5	3,565 fps	-	36.0	3,830 fps	-
50 GR. SIE SP	AR2206H	.224"	2.350"	33.5	3,530 fps	43,800 CUP	36.5	3,827 fps	50,200 CUP
	AR2208	.224"	2.350"	34.5	3,596 fps	43,600 CUP	37.5	3,834 fps	50,400 CUP
	AR2209	.224"	2.350"	39.0	3,410 fps	43,600 CUP	42.0	3,579 fps	48,900 CUP
52 GR. HDY A-MAX	AR2219	.224"	2.350"	29.0	3,379 fps	45,500 CUP	31.0	3,498 fps	48,000 CUP
	Bench Mark 2	.224"	2.350"	32.5	3,602 fps	45,800 CUP	34.6	3,755 fps	49,800 CUP
	Bench Mark 8208	.224"	2.350"	32.5	3,612 fps	52,200 PSI	35.5	3,837 fps	60,100 PSI
52 GR.	AR2206	-	-	32.5	3,505 fps	-	35.0	3,750 fps	-
52 GR. HDY A-MAX	AR2206H	.224"	2.350"	32.5	3,467 fps	44,400 CUP	35.5	3,729 fps	49,600 CUP
	AR2208	.224"	2.350"	34.0	3,630 fps	45,500 CUP	36.0	3,784 fps	50,000 CUP
	AR2209	.224"	2.350"	39.0	3,402 fps	43,800 CUP	41.0	3,557 fps	49,400 CUP
55 GR. SPR SP	Trail Boss	.224"	2.350"	9.1	1,664 fps	17,200 PSI	13.0	1,984 fps	26,600 PSI
	AR2219	.224"	2.350"	28.0	3,339 fps	46,200 CUP	30.0	3,480 fps	49,800 CUP
	Bench Mark 2	.224"	2.350"	31.6	3,532 fps	46,200 CUP	33.6	3,674 fps	50,200 CUP
	Bench Mark 8208	.224"	2.350"	32.0	3,514 fps	52,300 PSI	35.8	3,768 fps	62,700 PSI
55 GR.	AR2206	-	-	32.5	3,415 fps	-	35.0	3,680 fps	-
55 GR. SPR SP	AR2206H	.224"	2.350"	32.5	3,446 fps	45,000 CUP	35.5	3,670 fps	49,300 CUP
	AR2208	.224"	2.350"	34.0	3,490 fps	46,100 CUP	36.5	3,664 fps	50,400 CUP
	AR2209	.224"	2.350"	37.0	3,296 fps	46,400 CUP	39.0	3,490 fps	47,800 CUP
60 GR. HDY V-MAX	AR2219	.224"	2.350"	29.0	3,222 fps	50,900 PSI	31.5	3,434 fps	62,000 PSI
	Bench Mark 2	.224"	2.350"	29.0	3,183 fps	49,000 PSI	32.0	3,406 fps	59,900 PSI
	Bench Mark 8208	.224"	2.350"	31.5	3,412 fps	55,600 PSI	34.0	3,550 fps	61,000 PSI
	AR2206H	.224"	2.350"	32.0	3,340 fps	51,700 PSI	35.0	3,551 fps	61,300 PSI
	AR2208	.224"	2.350"	33.0	3,318 fps	52,200 PSI	35.8	3,503 fps	60,400 PSI
	AR2209	.224"	2.350"	39.0	3,374 fps	51,600 PSI	41.5C	3,570 fps	60,500 PSI
62 GR. BAR TAC-X BT	Bench Mark 8208	.224"	2.385"	31.6	3,367 fps	52,400 PSI	34.0	3,554 fps	62,400 PSI
	AR2206H	.224"	2.385"	31.9	3,467 fps	57,800 PSI	34.0	3,564 fps	60,900 PSI
	AR2208	.224"	2.385"	32.9	3,354 fps	54,200 PSI	35.0	3,500 fps	60,400 PSI
63 GR. SIE SP	Bench Mark 8208	.224"	2.350"	30.0	3,256 fps	52,400 PSI	33.0	3,459 fps	62,100 PSI
	AR2206H	.224"	2.350"	31.5	3,317 fps	47,300 CUP	34.0	3,486 fps	50,400 CUP
	AR2208	.224"	2.350"	29.5	3,039 fps	39,500 CUP	34.0	3,426 fps	50,400 CUP
	AR2209	.224"	2.350"	36.0	3,210 fps	45,400 CUP	38.0	3,391 fps	48,000 CUP
70 GR. SPR SP	Bench Mark 8208	.224"	2.230"	28.0	3,015 fps	49,800 PSI	31.0	3,246 fps	61,600 PSI
70 GR.	AR2206	-	-	28.0	3,000 fps	-	30.0	3,180 fps	-
70 GR. SPR SP	AR2206H	.224"	2.330"	28.0	2,933 fps	43,000 CUP	31.5	3,196 fps	50,700 CUP
	AR2208	.224"	2.330"	29.5	3,006 fps	44,700 CUP	32.0	3,196 fps	50,300 CUP
	AR2209	.224"	2.330"	34.0	3,007 fps	44,800 CUP	36.0	3,129 fps	49,600 CUP
	AR2213SC	.224"	2.330"	35.0	2,976 fps	42,000 CUP	38.0	3,189 fps	50,300 CUP
	AR2217	.224"	2.330"	36.0	3,042 fps	41,100 CUP	38.0	3,187 fps	47,500 CUP

22-250 Improved (A	Ackley)			Case: Twist: - Primer:			Barrel le	ength: 26" egth: -	
					Start load	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
50 GR.	AR2206	-	-	_	-	-	36.5	3,800 fps	-
	AR2208	-	-	-	-	-	39.0	3,800 fps	-
	AR2209	-	-	-	-	-	42.5	3,800 fps	-
52-53 GR.	AR2206	-	-	-	-	-	35.5	3,750 fps	-
	AR2208	-	-	-	-	-	38.0	3,750 fps	-
	AR2209	-	-	-	-	-	41.0	3,750 fps	-
55 GR.	AR2206	-	-	-	-	-	34.5	3,650 fps	-
	AR2208	-	-	-	-	-	37.0	3,650 fps	-
	AR2209	-	-	-	-	-	40.0	3,650 fps	-
60-63 GR.	AR2206	-	-	-	-	-	32.5	3,500 fps	-
	AR2208	-	-	-	-	-	35.0	3,500 fps	-
	AR2209	-	-	-	-	-	38.0	3,500 fps	-
68-70 GR.	AR2206	-	-	-	-	-	31.5	3,400 fps	-
	AR2208	-	-	-	-	-	34.0	3,400 fps	-
	AR2209	-	-	-	-	-	37.0	3,400 fps	-
	•	·		Caso: W	Vinchester		Parrol le	ength: 24"	
				Twist: 1				ngth: 2.195"	
220 Swift						_	minie	igui. 2.190	
				Primer:	Winchester LI	R	.		
			r		Start load	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
35 GR. NOS LF	AR2206H	.224"	2.680"	37.6	4,171 fps	47,400 CUP	40.0	4,401 fps	52,300 CUP
	AR2208	.224"	2.680"	38.5	4,035 fps	43,500 CUP	41.0	4,251 fps	51,100 CUP
36 GR. BAR VG FB	Bench Mark 8208	.224"	2.635"	38.0	4,078 fps	46,800 CUP	40.0	4,296 fps	53,000 CUP
	AR2206H	.224"	2.635"	37.6	4,002 fps	44,300 CUP	40.0	4,251 fps	50,800 CUP
	AR2208	.224"	2.635"	40.0	4,076 fps	44,600 CUP	42.5	4,306 fps	50,900 CUP
40 GR.	AR2206	-	-	36.0	3,680 fps	-	38.0	3,950 fps	-
40 GR. SIE HP	AR2206H	.224"	2.680"	37.0	3,768 fps	41,400 CUP	40.0	4,126 fps	52,000 CUP
	AR2208	.224"	2.680"	38.0	4,007 fps	49,800 CUP	40.5	4,113 fps	49,800 CUP
45 GR.	AR2206	-	-	36.0	3,650 fps	-	37.5	3,800 fps	-
45 GR. HDY SP	AR2206H	.224"	2.680"	36.5	3,676 fps	38,400 CUP	39.5	3,996 fps	52,100 CUP
	AR2208	.224"	2.680"	36.0	3,777 fps	47,100 CUP	40.2	4,002 fps	52,100 CUP
50 GR.	AR2206	-	-	35.0	3,470 fps	-	38.5	3,920 fps	-
50 GR. HDY SP	AR2206H	.224"	2.680"	35.0	3,460 fps	39,000 CUP	38.0	3,840 fps	51,200 CUP
	AR2208	.224"	2.680"	34.5	3,616 fps	47,200 CUP	36.0	3,770 fps	50,200 CUP
52 GR. SIE HPBT	AR2206H	.224"	2.680"	33.8	3,588 fps	45,100 CUP	36.0	3,736 fps	50,000 CUP
	AR2208	.224"	2.680"	34.0	3,516 fps	42,700 CUP	36.5	3,687 fps	50,300 CUP
55 GR. HDY SP	AR2206H	.224"	2.680"	34.0	3,481 fps	45,900 CUP	37.0	3,698 fps	52,000 CUP
	AR2208	.224"	2.680"	34.0	3,516 fps	47,000 CUP	36.0	3,645 fps	51,900 CUP
	AR2209	.224"	2.680"	39.0	3,225 fps	42,000 CUP	42.0	3,619 fps	50,800 CUP
	AR2213SC	.224"	2.680"	41.5	3,194 fps	36,600 CUP	46.0	3,616 fps	46,600 CUP
60 GR. NOS PART	AR2206H	.224"	2.680"	30.5	3,165 fps	39,200 CUP	33.5	3,401 fps	49,600 CUP
		224"	2.680"	33.0	3,242 fps	40,000 CUP	36.0	3,473 fps	49,000 CUP
	AR2208	.224"	2.000		-,				
	AR2208 AR2209	.224"	2.680"	37.0	3,230 fps	39,800 CUP	41.0	3,527 fps	50,600 CUP
						39,800 CUP 41,600 CUP	41.0 46.0C	3,527 fps 3,556 fps	50,600 CUP 51,800 CUP

Bullet Powder Bullet Diam. C.O.L. Grs. Velocity Pressure Grs. Velocity AR2208 224" 2.680" 32.3 3,161 fps 44,100 CUP 34.3 3,3 AR2209 224" 2.680" 37.2 3,177 fps 43,500 CUP 40.5C 3,3 63 GR. SIE SP AR2206H 224" 2.680" 32.5 3,218 fps 40,800 CUP 35.5 3,4 AR2208 224" 2.680" 32.0 3,181 fps 42,200 CUP 34.0 3,4	elocity 315 fps 389 fps 484 fps 407 fps	Pressure 50,400 CUP 52,400 CUP		
Primer: Winchester LR	elocity 315 fps 389 fps 484 fps 407 fps	Pressure 50,400 CUP 52,400 CUP		
Bullet Powder Bullet Diam. C.O.L. Grs. Velocity Pressure Grs. Velocity AR2208 .224" 2.680" 32.3 3,161 fps 44,100 CUP 34.3 3,3 AR2209 .224" 2.680" 37.2 3,177 fps 43,500 CUP 40.5C 3,3 63 GR. SIE SP AR2206H .224" 2.680" 32.5 3,218 fps 40,800 CUP 35.5 3,4 AR2208 .224" 2.680" 32.0 3,181 fps 42,200 CUP 34.0 3,4	elocity 315 fps 389 fps 484 fps 407 fps	Pressure 50,400 CUP 52,400 CUP		
AR2208 .224" 2.680" 32.3 3,161 fps 44,100 CUP 34.3 3,3 AR2209 .224" 2.680" 37.2 3,177 fps 43,500 CUP 40.5C 3,3 63 GR. SIE SP AR2206H .224" 2.680" 32.5 3,218 fps 40,800 CUP 35.5 3,4 AR2208 .224" 2.680" 32.0 3,181 fps 42,200 CUP 34.0 3,40	315 fps 389 fps 484 fps 407 fps	50,400 CUP 52,400 CUP		
AR2209 .224" 2.680" 37.2 3,177 fps 43,500 CUP 40.5C 3,3 63 GR. SIE SP AR2206H .224" 2.680" 32.5 3,218 fps 40,800 CUP 35.5 3,4 AR2208 .224" 2.680" 32.0 3,181 fps 42,200 CUP 34.0 3,4	389 fps 484 fps 407 fps	52,400 CUP		
63 GR. SIE SP AR2206H .224" 2.680" 32.5 3,218 fps 40,800 CUP 35.5 3,4 AR2208 .224" 2.680" 32.0 3,181 fps 42,200 CUP 34.0 3,4	484 fps 407 fps			
AR2208 .224" 2.680" 32.0 3,181 fps 42,200 CUP 34.0 3,4	407 fps			
		51,000 CUP		
AR2209 224" 2.680" 37.0 3,181 fps 46,000 CUP 39.0 3,4		49,300 CUP		
	474 fps	52,000 CUP		
AR2213SC 224" 2.680" 41.5 3,180 fps 37,200 CUP 46.0 3,5	586 fps	52,000 CUP		
70 GR. SPR SP AR2208 .224" 2.680" 31.0 3,103 fps 46,500 CUP 33.0 3,2	247 fps	49,900 CUP		
AR2209 .224" 2.680" 36.0 3,027 fps 45,200 CUP 38.0 3,3	313 fps	51,200 CUP		
AR2213SC .224" 2.680" 37.0 2,991 fps 45,800 CUP 42.0 3,3	359 fps	52,600 CUP		
AR2217 2.680" 42.0 3,149 fps 43,800 CUP 44.0 3,3	317 fps	50,200 CUP		
Case: Winchester (reformed) Barrel length	n: 26"			
	Trim length: 1.990"			
220 Jaybird Twist: 1:10" Trim length: Primer: Winchester LR				
	Maximum loads Grs. Velocity Pressure			
		Pressure		
	992 fps	-		
	981 fps	-		
	763 fps	-		
	772 fps	-		
69 GR. SIE HP AR2213SC .224" 2.450" 43.0 3,318 fps - 47.0 3,6	654 fps	-		
Case: Barrel length	ı: 26"			
5.6 X 57mm RWS (5.6 x 57Rmm) Twist: - Trim length:	-			
Primer:				
WARNING: If reloading old style thick walled brass reduce these loads by at least 4 grains to avoid dangerous pressures.				
	ximum l	nade		
	elocity	Pressure		
	700 fps	-		
	700 fps	-		
	550 fps	-		
	550 fps	-		
	450 fps	_		
	450 fps	-		
	300 fps	-		
	300 fps	-		
	250 fps	-		

22 CHeetah Mark II					Vinchester :10" Winchester S	R	Barrel length: 27" Trim length: 2.010"		
				Fillier.	Start load			Maximum l	nade
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
50 GR. HDY SP	AR2209	.224"	2.580"	46.0	3,901 fps	riessuie	51.0	4,069 fps	riessuie
55 GR. SIE SP	AR2209	.224"	2.580"	46.0	3,776 fps	_	51.0	4,009 fps	_
OF CITE OF	74 62200	.EET	2.000	40.0	0,7701p0			•	
223 Winchester Super Short Magnum					Case: Winchester Barrel length: 24" Twist: 1:8" Trim length: 1.660" Primer: Winchester LR				
					Start load	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
35 GR. NOS LF	Bench Mark 8208	.224"	2.200"	38.0	4,051 fps	49,400 PSI	42.7	4,439 fps	62,700 PSI
	AR2206H	.224"	2.200"	38.0	4,041 fps	48,300 PSI	43.0	4,438 fps	62,000 PSI
	AR2208	.224"	2.200"	39.0	4,027 fps	50,000 PSI	43.5	4,364 fps	62,500 PSI
36 GR. BAR VG FB	Bench Mark 8208	.224"	2.120"	37.0	4,014 fps	48,300 PSI	41.5	4,400 fps	63,100 PSI
	AR2206H	.224"	2.120"	37.0	4,037 fps	48,100 PSI	41.5	4,417 fps	62,600 PSI
	AR2208	.224"	2.120"	39.0	4,086 fps	51,300 PSI	43.2	4,368 fps	62,400 PSI
40 GR. NOS BT	Bench Mark 8208	.224"	2.200"	40.0	4,110 fps	52,900 PSI	42.5	4,307 fps	62,600 PSI
	AR2206H	.224"	2.200"	40.4	4,121 fps	54,300 PSI	43.0	4,320 fps	62,900 PSI
	AR2208	.224"	2.200"	41.0	4,074 fps	54,100 PSI	43.5	4,278 fps	63,800 PSI
45 GR. BAR X	AR2206H	.224"	2.100"	40.0	3,951 fps	51,200 PSI	42.8	4,153 fps	61,900 PSI
	AR2208	.224"	2.100"	40.7	3,935 fps	51,400 PSI	43.3	4,136 fps	61,800 PSI
	AR2209	.224"	2.100"	47.0	3,887 fps	54,100 PSI	50.0C	4,131 fps	63,000 PSI
50 GR. BAR XLC	AR2206H	.224"	2.100"	40.0	3,805 fps	51,600 PSI	42.9	4,021 fps	62,700 PSI
	AR2208	.224"	2.100"	41.0	3,784 fps	50,500 PSI	44.0	4,015 fps	61,800 PSI
	AR2209	.224"	2.100"	47.0	3,781 fps	50,200 PSI	50.0C	4,023 fps	61,500 PSI
52 GR. SPR HPBT	Bench Mark 8208	.224"	2.150"	37.8	3,721 fps	55,200 PSI	40.2	3,894 fps	62,500 PSI
	AR2206H	.224"	2.150"	38.8	3,805 fps	54,400 PSI	41.3	3,948 fps	61,600 PSI
	AR2208	.224"	2.150"	40.0	3,758 fps	54,000 PSI	43.0	3,948 fps	63,600 PSI
	AR2209	.224"	2.150"	46.0	3,753 fps	51,500 PSI	49.0C	3,959 fps	62,300 PSI
55 GR. HDY V-MAX	Bench Mark 8208	.224"	2.200"	35.3	3,557 fps	54,600 PSI	37.6	3,715 fps	62,000 PSI
	AR2206H	.224"	2.200"	36.5	3,622 fps	53,200 PSI	39.0	3,798 fps	62,100 PSI
	AR2208	.224"	2.200"	38.0	3,651 fps	53,300 PSI	40.5	3,836 fps	62,100 PSI
	AR2209	.224"	2.200"	44.5	3,713 fps	55,900 PSI	47.5	3,881 fps	63,100 PSI
	AR2213SC	.224"	2.200"	46.0	3,579 fps	53,000 PSI	49.0C	3,743 fps	62,600 PSI
60 GR. NOS PART	Bench Mark 8208	.224"	2.150"	32.9	3,383 fps	56,100 PSI	35.0	3,524 fps	62,100 PSI
	AR2206H	.224"	2.150"	35.0	3,479 fps	53,700 PSI	37.3	3,625 fps	62,200 PSI
	AR2208	.224"	2.150"	36.0	3,510 fps	55,400 PSI	38.5	3,656 fps	61,400 PSI
	AR2209	.224"	2.150"	41.0	3,568 fps	57,800 PSI	43.8	3,723 fps	63,400 PSI
	AR2213SC	.224"	2.150"	43.5	3,522 fps	58,300 PSI	46.3C	3,661 fps	63,500 PSI
69 GR. SIE HPBT	AR2206H	.224"	2.230"	34.5	3,278 fps	56,500 PSI	36.8	3,426 fps	61,800 PSI
	AR2208	.224"	2.230"	36.0	3,324 fps	55,900 PSI	38.5	3,492 fps	62,900 PSI
	AR2209	.224"	2.230"	40.0	3,321 fps	52,400 PSI	42.5	3,505 fps	63,300 PSI
	AR2213SC	.224"	2.230"	43.5	3,312 fps	54,700 PSI	46.5C	3,489 fps	63,200 PSI
	AR2217	.224"	2.230"	46.8	3,329 fps	53,700 PSI	49.8C	3,472 fps	60,100 PSI
75 GR. HDY V-MAX	AR2206H	.224"	2.360"	33.0	3,119 fps	56,200 PSI	35.2	3,266 fps	61,200 PSI
	AR2208	.224"	2.360"	34.5	3,174 fps	55,200 PSI	36.8	3,330 fps	61,700 PSI
	AR2209	.224"	2.360"	39.0	3,227 fps	57,900 PSI	41.5	3,376 fps	63,700 PSI
	AR2213SC	.224"	2.360"	42.0	3,201 fps	56,500 PSI	45.1	3,352 fps	63,200 PSI

				Case: W	/inchester		Barrel le	ength: 24"	
223 Winchester S	Super Short Magnum			Twist: 1	:8"		Trim len	igth: 1.660"	
220 Willonester e	aper onort magnam			Primer:	Winchester LI	R		_	
				Start loads			Maximum loads		
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
Banet	AR2217	.224"	2.360"	46.0	3,250 fps	55,900 PSI	49.0C	3,378 fps	62,400 PSI
77 GR. SIE HPBT	AR2206H	.224"	2.230"	32.0	3,048 fps	58,100 PSI	34.2	3,196 fps	62,700 PSI
II GIL SILTIFBI	AR2208	.224"	2.230"	33.5	3,099 fps	59,100 PSI	35.8	3,249 fps	63,000 PSI
	AR2209	.224"	2.230"	37.0	3,135 fps	54,600 PSI	39.5	3,249 fps	61,000 PSI
	AR2213SC	.224"	2.230"	40.5	3,159 fps	57,600 PSI	43.3	, ,	62,700 PSI
	AR2217	.224"	2.230"	44.5	3,139 lps	57,400 PSI	47.7C	3,299 fps 3,359 fps	62,700 PSI
	ANZZII	.224	2.230	44.5	3,221 lps	37,400 F31	47.70	3,339 lps	05,500 F31
				Case: R	temington (ref	omed)	Barrel le	ength: 23.5"	
6mm-222	6mm-222				:9"		Trim len	igth: 1.690"	
				Primer:	Remington 7	1/2			
					Start load	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
60 GR. SIE HP	AR2207	.243"	2.200"	17.0	2,792 fps	37,800 CUP	19.0	3,023 fps	48,500 CUP
	AR2206H	.243"	2.200"	21.5	2,748 fps	42,000 CUP	23.5	3,043 fps	50,200 CUP
75 GR. HDY HP	AR2207	.243"	2.200"	16.0	2.469 fps	36.600 CUP	18.0	2.718 fps	47,600 CUP
	AR2206H	.243"	2.200"	20.0	2,443 fps	39,600 CUP	22.0	2,660 fps	46,700 CUP
	AR2207	.243"	2.260"	14.5	2,292 fps	37,800 CUP	16.5	2,514 fps	47,600 CUP
85 GR. SPR SP					2,375 fps	42,400 CUP	20.5	2,505 fps	49,600 CUP
85 GR. SPR SP	AR2206H	.243"	2.260"	I 19.5	2.3/3/05				
	AR2206H AR2207	.243"	2.260"	19.5 13.0	•		15.0	2.090 fps	46.300 CUP
85 GR. SPR SP 100 GR. HDY SP		.243" .243" .243"	2.260" 2.260" 2.260"	19.5 13.0 17.0	1,912 fps 1,998 fps	36,000 CUP	15.0 19.0	2,090 fps 2,212 fps	46,300 CUP 49,100 CUP
	AR2207	.243"	2.260"	13.0 17.0	1,912 fps	36,000 CUP 36,000 CUP	19.0		,
	AR2207 AR2206H	.243"	2.260"	13.0 17.0	1,912 fps 1,998 fps temington (refe	36,000 CUP 36,000 CUP	19.0	2,212 fps	,
100 GR. HDY SP	AR2207 AR2206H	.243"	2.260"	13.0 17.0 Case: R Twist: 1	1,912 fps 1,998 fps temington (refe	36,000 CUP 36,000 CUP ormed)	19.0	2,212 fps ength: 24"	,
100 GR. HDY SP	AR2207 AR2206H	.243"	2.260"	13.0 17.0 Case: R Twist: 1	1,912 fps 1,998 fps termington (reference)	36,000 CUP 36,000 CUP ormed)	19.0	2,212 fps ength: 24"	49,100 CUP
100 GR. HDY SP	AR2207 AR2206H	.243"	2.260"	13.0 17.0 Case: R Twist: 1	1,912 fps 1,998 fps temington (refe :9" Federal 205M Start load	36,000 CUP 36,000 CUP ormed)	19.0	2,212 fps ength: 24" egth: 1.750"	49,100 CUP
100 GR. HDY SP 6 x 45mm (6mm-2	AR2207 AR2206H	.243"	2.260"	13.0 17.0 Case: R Twist: 1 Primer:	1,912 fps 1,998 fps temington (reformation) :9" Federal 205M Start load	36,000 CUP 36,000 CUP ommed) 1 ds Pressure	19.0 Barrel le Trim len	2,212 fps ength: 24" egth: 1.750" Maximum I	49,100 CUP oads Pressure
100 GR. HDY SP 6 x 45mm (6mm-2	AR2207 AR2206H 223)	.243" .243" Bullet Diam.	2.260" 2.260" C.O.L.	13.0 17.0 Case: R Twist: 1 Primer:	1,912 fps 1,998 fps temington (refe :9" Federal 205M Start load	36,000 CUP 36,000 CUP ormed)	Barrel le Trim len Grs.	2,212 fps ength: 24" egth: 1.750"	oads Pressure 47,000 CUP
100 GR. HDY SP 6 x 45mm (6mm-2	AR2207 AR2206H 223) Powder AR2219	.243" .243" Bullet Diam.	2.260" 2.260" C.O.L. 2.260"	13.0 17.0 Case: R Twist: 1 Primer:	1,912 fps 1,998 fps temington (reference) Federal 205tv Start load Velocity 2,849 fps 2,636 fps	36,000 CUP 36,000 CUP med) resource 39,500 CUP 32,000 CUP	Hence In the second sec	2,212 fps ength: 24" egth: 1.750" Maximum I Velocity 3,097 fps	49,100 CUP oads Pressure 47,000 CUP 41,600 CUP
100 GR. HDY SP 6 x 45mm (6mm-2	AR2207 AR2206H 223) Powder AR2219 Bench Mark 2	.243" .243" Bullet Diam243" .243"	2.260" 2.260" C.O.L. 2.260"	13.0 17.0 Case: R Twist: 1 Primer: Grs. 23.0 24.0	1,912 fps 1,998 fps temington (reference of the content of the co	36,000 CUP 36,000 CUP ormed) ds Pressure 39,500 CUP	Barrel le Trim len Grs.	2,212 fps ength: 24" egth: 1.750" Maximum I Velocity 3,097 fps 3,042 fps	oads Pressure 47,000 CUP
100 GR. HDY SP 6 x 45mm (6mm-2 Bullet 60 GR. SIE HP	AR2207 AR2206H 223) Powder AR2219 Bench Mark 2 AR2206H	.243" .243" Bullet Diam243" .243" .243"	2.260" 2.260" C.O.L. 2.260" 2.260" 2.260"	13.0 17.0 Case: R Twist: 1 Primer: Grs. 23.0 24.0 25.5	1,912 fps 1,998 fps termington (refore) Federal 205N Start load Velocity 2,849 fps 2,636 fps 2,872 fps 2,726 fps	36,000 CUP 36,000 CUP ormed) ds Pressure 39,500 CUP 32,000 CUP 40,000 CUP	19.0 Barrel le Trim len Grs. 25.0 27.0C 27.5C	2,212 fps ength: 24" egth: 1.750" Maximum I Velocity 3,097 fps 3,042 fps 3,102 fps 3,064 fps	0ads Pressure 47,000 CUP 41,600 CUP 48,500 CUP 49,400 CUP
100 GR. HDY SP 6 x 45mm (6mm-2 Bullet 60 GR. SIE HP	AR2207 AR2206H 223) Powder AR2219 Bench Mark 2 AR2206H Bench Mark 2	.243" .243" Bullet Diam243" .243" .243" .243"	2.260" 2.260" C.O.L. 2.260" 2.260" 2.260" 2.350"	13.0 17.0 Case: R Twist: 1 Primer: 23.0 24.0 25.5 24.0	1,912 fps 1,998 fps temington (reference) Federal 205M Start load Velocity 2,849 fps 2,636 fps 2,726 fps 2,636 fps	36,000 CUP 36,000 CUP ormed) ds Pressure 39,500 CUP 40,000 CUP 36,400 CUP	19.0 Barrel le Trim len Grs. 25.0 27.0C 27.0C	2,212 fps ength: 24" egth: 1.750" Maximum I Velocity 3,097 fps 3,042 fps 3,102 fps 3,064 fps 3,019 fps	0ads Pressure 47,000 CUP 41,600 CUP 48,500 CUP 49,400 CUP 44,600 CUP
100 GR. HDY SP 6 x 45mm (6mm-2) Bullet 60 GR. SIE HP	AR2207 AR2206H 223) Powder AR2219 Bench Mark 2 AR2206H Bench Mark 2 Bench Mark 8208	.243" .243" Bullet Diam243" .243" .243" .243" .243" .243"	2.260" 2.260" C.O.L. 2.260" 2.260" 2.260" 2.350"	13.0 17.0 Case: R Twist: 1 Primer: 23.0 24.0 25.5 24.0 24.0	1,912 fps 1,998 fps 1,998 fps emington (reforms) Federal 205M Start load Velocity 2,849 fps 2,636 fps 2,726 fps 2,636 fps 2,726 fps 2,758 fps	36,000 CUP 36,000 CUP ormed) ds Pressure 39,500 CUP 40,000 CUP 40,000 CUP 36,400 CUP 33,000 CUP 39,800 CUP	19.0 Barrel le Trim len Grs. 25.0 27.0C 27.5C 27.0C 27.0C 25.0	2,212 fps ength: 24" egth: 1.750" Maximum I Velocity 3,097 fps 3,042 fps 3,102 fps 3,064 fps 3,019 fps 2,985 fps	49,100 CUP oads Pressure 47,000 CUP 41,600 CUP 48,500 CUP 49,400 CUP 44,600 CUP 47,500 CUP
100 GR. HDY SP 6 x 45mm (6mm-2) Bullet 60 GR. SIE HP	AR2207 AR2206H Powder AR2219 Bench Mark 2 AR2206H Bench Mark 2 Bench Mark 8208 AR2219	.243" .243" Bullet Diam243" .243" .243" .243" .243" .243" .243" .243"	2.260" 2.260" C.O.L. 2.260" 2.260" 2.350" 2.350" 2.260" 2.260"	13.0 17.0 Case: R Twist: 1 Primer: 23.0 24.0 25.5 24.0 24.0 23.0 24.0	1,912 fps 1,998 fps termington (refore) Federal 205N Start load Velocity 2,849 fps 2,636 fps 2,726 fps 2,726 fps 2,636 fps 2,758 fps 2,609 fps	36,000 CUP 36,000 CUP med) ds Pressure 39,500 CUP 40,000 CUP 40,000 CUP 36,400 CUP 33,000 CUP 39,800 CUP 45,200 CUP	19.0 Barrel le Trim len Grs. 25.0 27.0C 27.0C 27.0C 25.0 27.0C	2,212 fps ength: 24" egth: 1.750" Maximum I Velocity 3,097 fps 3,042 fps 3,102 fps 3,064 fps 3,019 fps 2,985 fps 2,962 fps	49,100 CUP Pressure 47,000 CUP 41,600 CUP 48,500 CUP 49,400 CUP 44,600 CUP 47,500 CUP 45,200 CUP
100 GR. HDY SP 6 x 45mm (6mm-2) Bullet 60 GR. SIE HP	AR2207 AR2206H Powder AR2219 Bench Mark 2 AR2206H Bench Mark 2 Bench Mark 8208 AR2219 Bench Mark 8208 AR2219 Bench Mark 2	.243" .243" Bullet Diam243" .243" .243" .243" .243" .243" .243" .243"	2.260" 2.260" C.O.L. 2.260" 2.260" 2.350" 2.350" 2.260" 2.260"	13.0 17.0 Case: R Twist: 1 Primer: 23.0 24.0 25.5 24.0 24.0 23.0 24.0 24.0 24.0	1,912 fps 1,998 fps 1,998 fps temington (reference) Federal 205tv Start load Velocity 2,849 fps 2,636 fps 2,726 fps 2,636 fps 2,726 fps 2,636 fps 2,636 fps 2,636 fps 2,555 fps	36,000 CUP 36,000 CUP ormed) ds Pressure 39,500 CUP 40,000 CUP 36,400 CUP 36,400 CUP 39,800 CUP 45,200 CUP 32,000 CUP	19.0 Barrel le Trim len Grs. 25.0 27.0C 27.0C 27.0C 25.0 27.0C 25.0 27.0C	2,212 fps ength: 24" egth: 1.750" Maximum I Velocity 3,097 fps 3,042 fps 3,064 fps 3,019 fps 2,985 fps 2,962 fps 2,916 fps	49,100 CUP Pressure 47,000 CUP 41,600 CUP 48,500 CUP 49,400 CUP 44,600 CUP 47,500 CUP 45,200 CUP 41,200 CUP
100 GR. HDY SP 6 x 45mm (6mm-2) Bullet 60 GR. SIE HP	AR2207 AR2206H Powder AR2219 Bench Mark 2 AR2206H Bench Mark 2 Bench Mark 8208 AR2219 Bench Mark 8208 AR2219 Bench Mark 8208 AR2219 AR2206H	.243" .243" Bullet Diam243" .243" .243" .243" .243" .243" .243" .243" .243"	2.260" 2.260" C.O.L. 2.260" 2.260" 2.260" 2.350" 2.260" 2.260" 2.260" 2.260"	13.0 17.0 Case: R Twist: 1 Primer: Grs. 23.0 24.0 25.5 24.0 24.0 23.0 24.0 24.0 25.5	1,912 fps 1,998 fps 1,998 fps termington (refore): Federal 205tv Start load Velocity 2,849 fps 2,636 fps 2,726 fps 2,726 fps 2,636 fps 2,758 fps 2,609 fps 2,809 fps	36,000 CUP 36,000 CUP ormed) ds Pressure 39,500 CUP 40,000 CUP 40,000 CUP 33,000 CUP 33,000 CUP 45,200 CUP 44,000 CUP 44,000 CUP	19.0 Barrel le Trim len Grs. 25.0 27.0C 27.5C 27.0C 27.0C 25.0 27.0C 27.0C 27.0C 27.0C	2,212 fps ength: 24" gth: 1.750" Maximum I Velocity 3,097 fps 3,042 fps 3,042 fps 3,064 fps 3,019 fps 2,985 fps 2,962 fps 2,916 fps 3,034 fps	49,100 CUP Pressure 47,000 CUP 41,600 CUP 48,500 CUP 44,600 CUP 47,500 CUP 45,200 CUP 41,200 CUP 49,500 CUP
100 GR. HDY SP 6 x 45mm (6mm-2 Bullet 60 GR. SIE HP 62 GR. BAR VG 70 GR. HDY SP	AR2207 AR2206H 223) Powder AR2219 Bench Mark 2 AR2206H Bench Mark 8208 AR2219 Bench Mark 2 Bench Mark 8208 AR2219 AR2206H AR2206H AR2219	.243" .243" Bullet Diam243" .243" .243" .243" .243" .243" .243" .243" .243" .243"	2.260" 2.260" C.O.L. 2.260" 2.260" 2.350" 2.260" 2.260" 2.260" 2.260" 2.260"	13.0 17.0 Case: R Twist: 1 Primer: 23.0 24.0 25.5 24.0 24.0 24.0 24.0 25.5 24.0 24.0 25.5 24.0	1,912 fps 1,998 fps termington (refore) Federal 205N Start load Velocity 2,849 fps 2,636 fps 2,726 fps 2,726 fps 2,636 fps 2,758 fps 2,609 fps 2,555 fps 2,809 fps 2,774 fps	36,000 CUP 36,000 CUP ormed) ds Pressure 39,500 CUP 40,000 CUP 40,000 CUP 36,400 CUP 39,800 CUP 45,200 CUP 45,200 CUP 44,000 CUP 44,000 CUP	19.0 Barrel le Trim len Grs. 25.0 27.0C	2,212 fps ength: 24" egth: 1.750" Maximum I Velocity 3,097 fps 3,042 fps 3,064 fps 3,019 fps 2,985 fps 2,962 fps 2,916 fps 3,034 fps 2,860 fps	49,100 CUP Pressure 47,000 CUP 41,600 CUP 48,500 CUP 44,600 CUP 47,500 CUP 41,200 CUP 49,500 CUP 49,500 CUP
100 GR. HDY SP 6 x 45mm (6mm-2 Bullet 60 GR. SIE HP 62 GR. BAR VG 70 GR. HDY SP	AR2207 AR2206H Powder AR2219 Bench Mark 2 AR2206H Bench Mark 2 Bench Mark 8208 AR2219 Bench Mark 8208 AR2219 Bench Mark 8208 AR2219 AR2206H	.243" .243" Bullet Diam243" .243" .243" .243" .243" .243" .243" .243" .243"	2.260" 2.260" C.O.L. 2.260" 2.260" 2.260" 2.350" 2.260" 2.260" 2.260" 2.260"	13.0 17.0 Case: R Twist: 1 Primer: Grs. 23.0 24.0 25.5 24.0 24.0 23.0 24.0 24.0 25.5	1,912 fps 1,998 fps 1,998 fps termington (refore) Federal 205tv Start load Velocity 2,849 fps 2,636 fps 2,726 fps 2,726 fps 2,636 fps 2,758 fps 2,609 fps 2,809 fps 2,774 fps 2,587 fps	36,000 CUP 36,000 CUP ormed) ds Pressure 39,500 CUP 40,000 CUP 40,000 CUP 33,000 CUP 33,000 CUP 45,200 CUP 44,000 CUP 44,000 CUP	19.0 Barrel le Trim len Grs. 25.0 27.0C	2,212 fps ength: 24" egth: 1.750" Maximum I Velocity 3,097 fps 3,042 fps 3,064 fps 3,019 fps 2,985 fps 2,962 fps 2,916 fps 3,034 fps 2,860 fps 2,923 fps	49,100 CUP Pressure 47,000 CUP 41,600 CUP 48,500 CUP 44,600 CUP 47,500 CUP 41,200 CUP 47,500 CUP 47,500 CUP 47,500 CUP 47,500 CUP
100 GR. HDY SP 6 x 45mm (6mm-2 Bullet 60 GR. SIE HP 62 GR. BAR VG 70 GR. HDY SP	AR2207 AR2206H Powder AR2219 Bench Mark 2 AR2206H Bench Mark 8208 AR2219 Bench Mark 8208 AR2206H AR2219 Bench Mark 8208	.243" .243" Bullet Diam243" .243" .243" .243" .243" .243" .243" .243" .243" .243" .243"	2.260" 2.260" C.O.L. 2.260" 2.260" 2.350" 2.350" 2.260" 2.260" 2.260" 2.260"	13.0 17.0 Case: R Twist: 1 Primer: 23.0 24.0 25.5 24.0 24.0 24.0 25.5 24.0 24.0 24.0 25.5 23.0 24.0	1,912 fps 1,998 fps termington (refore) Federal 205N Start load Velocity 2,849 fps 2,636 fps 2,726 fps 2,726 fps 2,636 fps 2,758 fps 2,609 fps 2,555 fps 2,809 fps 2,774 fps	36,000 CUP 36,000 CUP ormed) ds Pressure 39,500 CUP 32,000 CUP 40,000 CUP 36,400 CUP 38,800 CUP 45,200 CUP 44,000 CUP 44,000 CUP 45,500 CUP 44,000 CUP 45,500 CUP	19.0 Barrel le Trim len Grs. 25.0 27.0C	2,212 fps ength: 24" egth: 1.750" Maximum I Velocity 3,097 fps 3,042 fps 3,064 fps 3,019 fps 2,985 fps 2,962 fps 2,916 fps 3,034 fps 2,860 fps	49,100 CUP Pressure 47,000 CUP 41,600 CUP 48,500 CUP 44,600 CUP 47,500 CUP 41,200 CUP 49,500 CUP 49,500 CUP
100 GR. HDY SP 6 x 45mm (6mm-2 Bullet 60 GR. SIE HP 62 GR. BAR VG 70 GR. HDY SP	AR2207 AR2206H Powder AR2219 Bench Mark 2 AR2206H Bench Mark 8208 AR2219 Bench Mark 8208 AR2219 Bench Mark 8208 AR2219 Bench Mark 8208 AR2219 Bench Mark 8208 AR2206H AR2219 Bench Mark 2 Bench Mark 8208	.243" .243" .243" .243" .243" .243" .243" .243" .243" .243" .243" .243" .243" .243" .243" .243" .243"	2.260" 2.260" 2.260" 2.260" 2.260" 2.260" 2.260" 2.260" 2.260" 2.260" 2.260" 2.260"	13.0 17.0 Case: R Twist: 1 Primer: 23.0 24.0 25.5 24.0 24.0 25.5 23.0 24.0 25.5 23.0 24.0 25.5 25.0	1,912 fps 1,998 fps termington (refore) Federal 205N Start load Velocity 2,849 fps 2,636 fps 2,726 fps 2,726 fps 2,636 fps 2,758 fps 2,639 fps 2,755 fps 2,809 fps 2,774 fps 2,587 fps 2,513 fps 2,704 fps	36,000 CUP 36,000 CUP ormed) ds Pressure 39,500 CUP 40,000 CUP 40,000 CUP 36,400 CUP 39,800 CUP 45,200 CUP 44,000 CUP 44,000 CUP 45,500 CUP 44,000 CUP 34,200 CUP 31,400 CUP 31,400 CUP	19.0 Barrel le Trim len Grs. 25.0 27.0C	2,212 fps ength: 24" egth: 1.750" Maximum I Velocity 3,097 fps 3,042 fps 3,042 fps 3,064 fps 2,985 fps 2,962 fps 2,962 fps 2,916 fps 3,034 fps 2,860 fps 2,882 fps 2,952 fps	49,100 CUP Pressure 47,000 CUP 41,600 CUP 48,500 CUP 44,600 CUP 47,500 CUP 41,200 CUP 49,500 CUP 47,500 CUP 47,500 CUP 47,500 CUP 47,500 CUP 47,500 CUP 48,000 CUP
100 GR. HDY SP 6 x 45mm (6mm-2 Bullet 60 GR. SIE HP 62 GR. BAR VG 70 GR. HDY SP	AR2207 AR2206H Powder AR2219 Bench Mark 2 AR2206H Bench Mark 8208 AR2219 Bench Mark 8208 AR2219 Bench Mark 8208 AR2219 Bench Mark 8208 AR2206H AR2219 Bench Mark 8208 AR2206H AR2219 Bench Mark 8208 AR2206H AR2219	.243" .243" Bullet Diam243" .243" .243" .243" .243" .243" .243" .243" .243" .243" .243" .243" .243" .243" .243" .243"	2.260" 2.260" 2.260" 2.260" 2.260" 2.350" 2.260" 2.260" 2.260" 2.260" 2.260" 2.260" 2.260" 2.260"	13.0 17.0 Case: R Twist: 1 Primer: 23.0 24.0 25.5 24.0 24.0 24.0 25.5 23.0 24.0 24.0 25.5 23.0 24.0 25.5 23.0 24.0 25.5 23.0 24.0	1,912 fps 1,998 fps 1,998 fps termington (refore) Federal 205tv Start load Velocity 2,849 fps 2,636 fps 2,726 fps 2,636 fps 2,758 fps 2,609 fps 2,555 fps 2,809 fps 2,574 fps 2,587 fps 2,513 fps 2,704 fps 2,503 fps	36,000 CUP 36,000 CUP omed) ds Pressure 39,500 CUP 40,000 CUP 40,000 CUP 36,400 CUP 39,800 CUP 45,200 CUP 44,000 CUP 45,500 CUP 44,000 CUP 31,400 CUP 31,400 CUP 39,300 CUP 31,600 CUP	19.0 Barrel le Trim len Grs. 25.0 27.0C	2,212 fps ength: 24" egth: 1.750" Maximum I Velocity 3,097 fps 3,042 fps 3,064 fps 3,019 fps 2,985 fps 2,962 fps 2,962 fps 2,963 fps 2,860 fps 2,860 fps 2,882 fps 2,952 fps 2,952 fps 2,783 fps	49,100 CUP Pressure 47,000 CUP 41,600 CUP 48,500 CUP 44,600 CUP 47,500 CUP
100 GR. HDY SP 6 x 45mm (6mm-2 Bullet 60 GR. SIE HP 62 GR. BAR VG 70 GR. HDY SP	AR2207 AR2206H Powder AR2219 Bench Mark 2 AR2206H Bench Mark 8208 AR2219 Bench Mark 8208 AR2219 Bench Mark 8208 AR2219 Bench Mark 8208 AR2206H AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2219 Bench Mark 8208	.243" .243" Bullet Diam243" .243" .243" .243" .243" .243" .243" .243" .243" .243" .243" .243" .243" .243" .243" .243" .243"	2.260" 2.260" 2.260" 2.260" 2.260" 2.260" 2.350" 2.260" 2.260" 2.260" 2.260" 2.260" 2.260" 2.350" 2.350"	13.0 17.0 Case: R Twist: 1 Primer: 23.0 24.0 25.5 24.0 24.0 25.5 23.0 24.0 25.5 23.0 24.0 25.5 23.0 24.0 25.5 24.0 24.0 25.5 24.0 24.0 25.5 24.0 24.0	1,912 fps 1,998 fps 1,998 fps termington (refore): Federal 205tv Start load Velocity 2,849 fps 2,636 fps 2,726 fps 2,636 fps 2,758 fps 2,609 fps 2,555 fps 2,809 fps 2,774 fps 2,587 fps 2,587 fps 2,593 fps 2,503 fps 2,608 fps	36,000 CUP 36,000 CUP ormed) ds Pressure 39,500 CUP 32,000 CUP 40,000 CUP 36,400 CUP 39,800 CUP 45,200 CUP 44,000 CUP 45,500 CUP 45,500 CUP 34,200 CUP 31,400 CUP 31,400 CUP 37,600 CUP 36,400 CUP	19.0 Barrel le Trim len Grs. 25.0 27.0C	2,212 fps ength: 24" egth: 1.750" Maximum I Velocity 3,097 fps 3,042 fps 3,042 fps 3,019 fps 2,985 fps 2,985 fps 2,962 fps 2,962 fps 2,966 fps 2,860 fps 2,860 fps 2,882 fps 2,952 fps 2,783 fps 2,919 fps	49,100 CUP Pressure 47,000 CUP 41,600 CUP 48,500 CUP 44,600 CUP 47,500 CUP 48,000 CUP 48,000 CUP 48,600 CUP
100 GR. HDY SP 6 x 45mm (6mm-2 Bullet 60 GR. SIE HP 62 GR. BAR VG 70 GR. HDY SP	AR2207 AR2206H Powder AR2219 Bench Mark 2 AR2206H Bench Mark 8208 AR2219 Bench Mark 8208 AR2219 Bench Mark 8208 AR2219 Bench Mark 8208 AR2206H AR2219 Bench Mark 8208	.243" .243" .243"	2.260" 2.260" 2.260" 2.260" 2.260" 2.260" 2.260" 2.260" 2.260" 2.260" 2.260" 2.260" 2.260" 2.350" 2.350" 2.350"	13.0 17.0 Case: R Twist: 1 Primer: 23.0 24.0 25.5 24.0 24.0 25.5 23.0 24.0 25.5 23.0 24.0 25.5 23.0 24.0 25.5 24.0 24.0 25.0 24.0 25.0 24.0 25.0 24.0 25.0 24.0	1,912 fps 1,998 fps 1,998 fps termington (refore):9" Federal 205tv Start load Velocity 2,849 fps 2,636 fps 2,726 fps 2,726 fps 2,636 fps 2,758 fps 2,609 fps 2,809 fps 2,774 fps 2,555 fps 2,587 fps 2,587 fps 2,513 fps 2,704 fps 2,503 fps 2,608 fps 2,576 fps	36,000 CUP 36,000 CUP omed) ds Pressure 39,500 CUP 40,000 CUP 40,000 CUP 33,000 CUP 39,800 CUP 45,200 CUP 44,000 CUP 45,500 CUP 44,000 CUP 31,400 CUP 31,400 CUP 31,400 CUP 36,400 CUP 36,400 CUP	19.0 Barrel le Trim len Grs. 25.0 27.0C	2,212 fps ength: 24" egth: 1.750" Maximum I Velocity 3,097 fps 3,042 fps 3,042 fps 3,064 fps 2,985 fps 2,962 fps 2,962 fps 2,962 fps 2,963 fps 2,860 fps 2,882 fps 2,952 fps 2,783 fps 2,867 fps 2,867 fps	49,100 CUP Pressure 47,000 CUP 41,600 CUP 48,500 CUP 44,600 CUP 47,500 CUP 47,500 CUP 47,500 CUP 47,500 CUP 47,500 CUP 47,500 CUP 44,500 CUP 48,000 CUP 48,600 CUP 48,600 CUP
100 GR. HDY SP 6 x 45mm (6mm-2) Bullet 60 GR. SIE HP 62 GR. BAR VG 70 GR. HDY SP 75 GR. HDY HP	AR2207 AR2206H Powder AR2219 Bench Mark 2 AR2206H Bench Mark 8208 AR2219 Bench Mark 8208 AR2219 Bench Mark 8208 AR2219 Bench Mark 8208 AR2206H AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2219 Bench Mark 8208 AR2206H	.243" .243" Bullet Diam243" .243"	2.260" 2.260" 2.260" 2.260" 2.260" 2.350" 2.260" 2.260" 2.260" 2.260" 2.260" 2.260" 2.260" 2.350" 2.350" 2.350" 2.350"	13.0 17.0 Case: R Twist: 1 Primer: 23.0 24.0 25.5 24.0 24.0 25.5 24.0 24.0 25.5 23.0 24.0 25.5 23.0 24.0 25.5 23.0 24.0 25.0 24.0 25.0 25.0 26.0 27.5 26.0 27.5	1,912 fps 1,998 fps termington (reference of the service of the se	36,000 CUP 36,000 CUP ormed) ds Pressure 39,500 CUP 40,000 CUP 40,000 CUP 36,400 CUP 39,800 CUP 45,200 CUP 44,000 CUP 45,500 CUP 34,200 CUP 37,600 CUP 37,600 CUP 34,400 CUP 34,400 CUP 34,400 CUP	19.0 Barrel le Trim len Grs. 25.0 27.0C	2,212 fps ength: 24" egth: 1.750" Maximum I Velocity 3,097 fps 3,042 fps 3,064 fps 3,019 fps 2,962 fps 2,962 fps 2,962 fps 2,963 fps 2,860 fps 2,860 fps 2,882 fps 2,882 fps 2,952 fps 2,783 fps 2,919 fps 2,904 fps	49,100 CUP Pressure 47,000 CUP 41,600 CUP 48,500 CUP 44,600 CUP 47,500 CUP 47,500 CUP 47,500 CUP 47,500 CUP 47,500 CUP 47,500 CUP 48,000 CUP 48,000 CUP 48,000 CUP 48,000 CUP 48,000 CUP 48,500 CUP
100 GR. HDY SP 6 x 45mm (6mm-2 Bullet 60 GR. SIE HP 62 GR. BAR VG 70 GR. HDY SP	AR2207 AR2206H Powder AR2219 Bench Mark 2 AR2206H Bench Mark 8208 AR2219 Bench Mark 8208 AR2219 Bench Mark 8208 AR2219 Bench Mark 8208 AR2206H AR2219 Bench Mark 8208	.243" .243" .243"	2.260" 2.260" 2.260" 2.260" 2.260" 2.260" 2.260" 2.260" 2.260" 2.260" 2.260" 2.260" 2.260" 2.350" 2.350" 2.350"	13.0 17.0 Case: R Twist: 1 Primer: 23.0 24.0 25.5 24.0 24.0 25.5 23.0 24.0 25.5 23.0 24.0 25.5 23.0 24.0 25.5 24.0 24.0 25.0 24.0 25.0 24.0 25.0 24.0 25.0 24.0	1,912 fps 1,998 fps 1,998 fps termington (refore):9" Federal 205tv Start load Velocity 2,849 fps 2,636 fps 2,726 fps 2,726 fps 2,636 fps 2,758 fps 2,609 fps 2,809 fps 2,774 fps 2,555 fps 2,587 fps 2,587 fps 2,513 fps 2,704 fps 2,503 fps 2,608 fps 2,576 fps	36,000 CUP 36,000 CUP omed) ds Pressure 39,500 CUP 40,000 CUP 40,000 CUP 33,000 CUP 39,800 CUP 45,200 CUP 44,000 CUP 45,500 CUP 44,000 CUP 31,400 CUP 31,400 CUP 31,400 CUP 36,400 CUP 36,400 CUP	19.0 Barrel le Trim len Grs. 25.0 27.0C	2,212 fps ength: 24" egth: 1.750" Maximum I Velocity 3,097 fps 3,042 fps 3,042 fps 3,064 fps 2,985 fps 2,962 fps 2,962 fps 2,962 fps 2,963 fps 2,860 fps 2,882 fps 2,952 fps 2,783 fps 2,867 fps 2,867 fps	49,100 CUP Pressure 47,000 CUP 41,600 CUP 48,500 CUP 44,600 CUP 47,500 CUP 41,200 CUP 41,200 CUP 47,500 CUP 47,500 CUP 47,500 CUP 47,500 CUP

Case: Remington (reformed) Barrel length: 24" Twist: 1:9" Trim length: 1.750" 6 x 45mm (6mm-223) Primer: Federal 205M Start loads Maximum loads **Bullet** Powder Bullet Diam. C.O.L. Grs. Velocity Pressure Grs. Velocity **Pressure** AR2206H 243" 2 350" 39,300 CUP 26.0C 49,000 CUP 24.0 2,559 fps 2,786 fps 90 GR. SPR SP AR2219 41,000 CUP 49,500 CUP 243" 2 350" 20.5 2,391 fps 22.5 2,531 fps Bench Mark 2 2.350" 23.0 2,453 fps 36,600 CUP 26.0C 2,739 fps 48.900 CUP 243" Bench Mark 8208 .243" 2.350" 23.0 2,438 fps 35,600 CUP 26.0C 46,300 CUP 2,729 fps AR2206H .243" 2.350" 23.5 2,509 fps 41,500 CUP 25.5 2,721 fps 50,000 CUP 100 GR, HDY SP Bench Mark 2 .243" 2.340" 23.5 43,900 CUP 24.5C 2,546 fps 48,700 CUP 2,456 fps Bench Mark 8208 .243" 2.340" 38,300 CUP 25.0C 2,558 fps 46,200 CUP 23.0 2,365 fps AR2206H .243" 2.340" 22.0 2,414 fps 42,000 CUP 24.0C 2,616 fps 50,000 CUP Case: Federal Barrel length: 23.5" Twist: 1:14" Trim length: 1.840" 6 x 47mm Primer: Federal 205M Start loads Maximum loads **Bullet** Powder Bullet Diam. C.O.L. Velocity Pressure Velocity **Pressure** Grs. Grs. AR2207 49,800 CUP 60 GR. SIE HP 2.400" 22.0 35,400 CUP 243' 2,895 fps 240 3,170 fps 60 GR. Bench Mark 1 25.0 2,955 fps 27.0 3,180 fps 60 GR. SIE HP AR2219 .243' 2.400" 26.0 3,040 fps 38,100 CUP 3,222 fps 44,500 CUP 28.0 60 GR. 26.0 AR2206 2,950 fps 28.0 3,110 fps 60 GR, SIE HP 35,600 CUP AR2206H 243' 2 400" 26.0 2,919 fps 3,098 fps 43,100 CUP 28.5 70 GR. HDY SP AR2207 .243" 2.445" 21.0 2,726 fps 39,300 CUP 23.0 2,944 fps 49,400 CUP 70 GR. Bench Mark 1 24.5 2,785 fps 27.0 2,990 fps 70 GR. HDY SP AR2219 .243" 2.445" 26.0 2,935 fps 43,000 CUP 28.0 3,116 fps 49,800 CUP 70 GR. AR2206 26.0 2,840 fps 28.0 2,970 fps 70 GR. HDY SP AR2206H .243" 2.445" 26.0 2,745 fps 37,600 CUP 28.0 2,915 fps 44,700 CUP 75 GR. SPR HP AR2207 243' 2.445" 20.5 2,664 fps 41,500 CUP 22.5 2,852 fps 48.900 CUP 75 GR. Bench Mark 1 23.5 2,680 fps 25.5 2,890 fps 75 GR SPR HP AR2219 2 445" 24 0 40,300 CUP 243' 2.698 fps 26.0 2.958 fps 48,400 CUP 75 GR. AR2206 25.0 2,670 fps 27.0 2,870 fps 38,200 CUP 75 GR. SPR HP AR2206H .243" 2 445" 25.5 2,709 fps 27.5 2,911 fps 47,500 CUP 80 GR. SPR SP AR2207 .243" 2.440" 20.0 2,527 fps 39,800 CUP 22.0 2,700 fps 46,900 CUP 80 GR. Bench Mark 1 21.0 2,550 fps 23.0 2,750 fps 80 GR. SPR SP AR2219 .243" 2.440" 23.5 2,604 fps 41,400 CUP 25.5 2,808 fps 48,000 CUP 80 GR. 24.0 AR2206 26.0 2,705 fps 2,495 fps 80 GR. SPR SP 2.440" 40,400 CUP AR2206H .243" 25.0 2,622 fps 27.0 2,860 fps 49,800 CUP 37,100 CUP 46,900 CUP 85 GR SPR SP AR2207 .243' 2 440" 19.5 2,400 fps 21.5 2,571 fps 2.440" 23.0 40.800 CUP AR2219 243" 2,514 fps 250 2,713 fps 48 000 CUP

AR2206H

.243"

2.440"

24.0

2,483 fps

39,800 CUP

26.0

2,712 fps

49,400 CUP

				Case: S	ako (reformed	4)	Barrel le	ength: 24"	
C DDC				Twist: 1	`	4)		ngth: 1.510"	
6mm PPC						4/0	111111101	igui. 1.010	
				Primer:	Remington 7		ı		
			1	Start loads				Maximum I	1
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
55 GR. NOS BT	AR2207	.243"	2.100"	25.0	3,281 fps	42,300 CUP	26.7	3,443 fps	50,200 CUP
	AR2219	.243"	2.100"	27.5	3,161 fps	39,100 CUP	29.5	3,390 fps	49,600 CUP
	Bench Mark 2	.243"	2.100"	28.0	3,206 fps	42,100 CUP	30.0	3,405 fps	50,000 CUP
58 GR. HDY V-MAX	AR2207	.243"	2.075"	24.0	3,109 fps	40,200 CUP	25.7	3,349 fps	49,300 CUP
	AR2219	.243"	2.075"	27.0	3,161 fps	42,500 CUP	29.0	3,355 fps	50,600 CUP
	Bench Mark 2	.243"	2.075"	27.7	3,118 fps	39,800 CUP	29.5	3,322 fps	50,000 CUP
	Bench Mark 8208	.243"	2.075"	27.5	3,084 fps	39,400 CUP	30.0C	3,353 fps	49,800 CUP
60 GR. SIE HP	AR2207	.243"	2.080"	21.0	2,856 fps	46,500 CUP	23.0	2,973 fps	49,500 CUP
60 GR.	Bench Mark 1	-	-	24.0	2,920 fps	-	25.5	3,100 fps	-
60 GR. SIE HP	AR2219	.243"	2.080"	26.0	3,090 fps	45,000 CUP	27.0	3,165 fps	47,000 CUP
	Bench Mark 2	.243"	2.080"	26.0	2,909 fps	36,100 CUP	29.0	3,236 fps	48,600 CUP
	Bench Mark 8208	.243"	2.080"	27.0	3,053 fps	40,000 CUP	30.0C	3,334 fps	51,100 CUP
60 GR.	AR2206	-	-	27.0	3,060 fps	-	29.0	3,280 fps	-
60 GR. SIE HP	AR2206H	.243"	2.080"	27.0	2,913 fps	44,500 CUP	29.0	3,218 fps	48,500 CUP
	AR2208	.243"	2.080"	27.0	2,901 fps	40,200 CUP	29.0	3,076 fps	44,100 CUP
65 GR. HDY V-MAX	AR2207	.243"	2.075"	23.5	3,011 fps	41,700 CUP	25.5	3,218 fps	50,500 CUP
	AR2219	.243"	2.075"	26.3	2,984 fps	38,900 CUP	28.0	3,178 fps	49,400 CUP
	Bench Mark 2	.243"	2.075"	26.6	3,003 fps	42,700 CUP	28.3	3,159 fps	49,800 CUP
	Bench Mark 8208	.243"	2.140"	27.0	3,064 fps	42,300 CUP	29.5C	3,253 fps	50,900 CUP
70 GR. NOS BT	AR2207	.243"	2.100"	21.0	2,745 fps	47,000 CUP	22.0	2,839 fps	50,400 CUP
70 GR.	Bench Mark 1	-	-	24.0	2,780 fps	-	26.0	3,010 fps	-
70 GR. NOS BT	AR2219	.243"	2.100"	25.0	2,967 fps	46,500 CUP	26.5	3,068 fps	50,000 CUP
	Bench Mark 2	.243"	2.100"	26.0	2,803 fps	35,500 CUP	29.0	3,149 fps	50,500 CUP
	Bench Mark 8208	.243"	2.100"	27.0	2,900 fps	47,400 CUP	29.5C	3,193 fps	50,300 CUP
70 GR.	AR2206	-	-	26.0	2,780 fps	-	29.0	3,100 fps	-
70 GR. NOS BT	AR2206H	.243"	2.100"	26.0	2,714 fps	42,000 CUP	28.0	3,034 fps	46,500 CUP
	AR2208	.243"	2.100"	27.0	2,845 fps	39,800 CUP	29.0	3,034 fps	48,000 CUP
75 GR. SPR HP	AR2207	.243"	2.115"	20.0	2,661 fps	45,500 CUP	21.0	2,780 fps	49,000 CUP
75 GR.	Bench Mark 1	-	-	22.0	2,615 fps	-	24.0	2,850 fps	-
75 GR. SPR HP	AR2219	.243"	2.115"	24.5	2,809 fps	45,000 CUP	26.0	2,974 fps	49,500 CUP
	Bench Mark 2	.243"	2.115"	25.5	2,749 fps	38,900 CUP	28.5	3,037 fps	50,100 CUP
	Bench Mark 8208	.243"	2.115"	26.0	2,817 fps	38,400 CUP	28.7	3,089 fps	51,200 CUP
75 GR.	AR2206	-	-	25.5	2,700 fps	-	27.5	3,010 fps	-
75 GR. SPR HP	AR2206H	.243"	2.115"	25.5	2,740 fps	43,500 CUP	27.5	2,981 fps	48,500 CUP
	AR2208	.243"	2.115"	26.0	2,737 fps	40,000 CUP	28.0	2,906 fps	47,000 CUP
80 GR. SPR SP	AR2207	.243"	2.115"	19.0	2,359 fps	37,600 CUP	21.0	2,641 fps	49,500 CUP
	AR2219	.243"	2.115"	23.5	2,658 fps	42,000 CUP	25.5	2,866 fps	47,500 CUP
	Bench Mark 2	.243"	2.115"	25.0	2,674 fps	36,400 CUP	28.0	2,970 fps	50,400 CUP
	Bench Mark 8208	.243"	2.115"	26.0	2,811 fps	39,700 CUP	28.3	3,023 fps	51,400 CUP
	AR2206H	.243"	2.115"	25.0	2,641 fps	40,400 CUP	27.0	2,904 fps	47,500 CUP
	AR2208	.243"	2.115"	26.0	2,689 fps	38,200 CUP	28.0	2,843 fps	44,400 CUP
85 GR. SIE HPBT	AR2219	.243"	2.080"	23.0	2,571 fps	44,000 CUP	25.0	2,794 fps	49,000 CUP
	Bench Mark 2	.243"	2.080"	24.5	2,619 fps	38,300 CUP	27.0	2,860 fps	50,000 CUP
	Bench Mark 8208	.243"	2.080"	25.0	2,719 fps	41,700 CUP	27.5	2,928 fps	52,200 CUP
	AR2206H	.243"	2.080"	24.0	2,540 fps	41,500 CUP	26.0	2,782 fps	48,000 CUP

				Case: S	Sako (reformed	1)	Barrel le	ength: 24"	
6mm DDC				Twist: 1	•	•/		igth: 1.510"	
6mm PPC						1/0		.ga	
				Primer.	Remington 7		1		
			ı	Start loads			Maximum loads		
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
	AR2208	.243"	2.080"	26.0	2,671 fps	43,400 CUP	28.0	2,848 fps	50,000 CUP
107 GR. SIE HPBT	AR2219	.243"	2.240"	22.0	2,351 fps	42,000 CUP	24.5	2,553 fps	51,100 CUP
	Bench Mark 2	.243"	2.240"	24.0	2,437 fps	43,400 CUP	25.8	2,584 fps	51,200 CUP
	Bench Mark 8208	.243"	2.240"	23.0	2,403 fps	42,400 CUP	25.3	2,584 fps	51,300 CUP
	AR2206H	.243"	2.240"	24.5	2,426 fps	41,500 CUP	26.8C	2,631 fps	49,700 CUP
	AR2208	.243"	2.240"	26.0	2,503 fps	44,900 CUP	27.7C	2,626 fps	50,000 CUP
				Case: R	Remington		Barrel le	ength: 24"	
6mm BR Remingto	'n			Twist: 1	Ū			i gth: 1.510"	
onini bix ixeninigio	'11			Drimor	Remington 7	1/2		•	
				rillier.					1 -
Pullet	Douder	Bullet Diam.	COL	C==	Start loa	1	C	Maximum I	oads Pressure
Bullet	Powder		C.O.L. 2.080"	Grs.	Velocity	Pressure	Grs.	Velocity	
55 GR. NOS BT	AR2207	.243"		26.0	3,230 fps	37,600 CUP	28.8	3,542 fps	51,000 CUP
	AR2219	.243"	2.080"	30.0	3,333 fps	38,800 CUP	32.5	3,604 fps	51,100 CUP
	Bench Mark 2	.243"	2.080"	31.0	3,322 fps	41,200 CUP	33.5C	3,557 fps	50,300 CUP
	Bench Mark 8208	.243"	2.080"	30.0	3,204 fps	33,900 CUP	33.5C	3,546 fps	44,800 CUP
	AR2206H	.243"	2.080"	31.0	3,233 fps	37,300 CUP	33.0C	3,449 fps	45,300 CUP
	AR2208	.243"	2.080"	31.0	3,043 fps	31,600 CUP	34.0C	3,347 fps	41,800 CUP
58 GR. HDY V-MAX	AR2207	.243"	2.140"	26.0	3,205 fps	38,000 CUP	28.5	3,454 fps	49,900 CUP
	AR2219	.243"	2.140"	29.5	3,240 fps	40,100 CUP	31.3	3,415 fps	48,400 CUP
	Bench Mark 2	.243"	2.140"	30.0	3,241 fps	42,000 CUP	32.0	3,450 fps	50,600 CUP
	Bench Mark 8208	.243"	2.140"	30.0	3,207 fps	36,800 CUP	33.5C	3,552 fps	50,000 CUP
	AR2206H	.243"	2.140"	31.5	3,250 fps	38,000 CUP	33.5	3,415 fps	45,100 CUP
	AR2208	.243"	2.140"	31.0	3,052 fps	34,300 CUP	34.0C	3,355 fps	46,100 CUP
60 GR. SIE HP	AR2207	.243"	2.080"	25.0	3,137 fps	39,600 CUP	27.5	3,378 fps	50,700 CUP
	AR2219	.243"	2.080"	30.0	3,281 fps	42,000 CUP	32.0	3,481 fps	49,500 CUP
	Bench Mark 2	.243"	2.080"	30.0	3,165 fps	41,400 CUP	32.0	3,373 fps	49,900 CUP
	Bench Mark 8208	.243"	2.080"	29.0	3,121 fps	36,800 CUP	32.7	3,475 fps	48,900 CUP
60 GR.	AR2206	-	-	30.5	3,175 fps	-	32.5	3,380 fps	-
60 GR. SIE HP	AR2206H	.243"	2.080"	31.0	3,177 fps	42,000 CUP	33.0C	3,384 fps	47,000 CUP
	AR2208	.243"	2.080"	31.0	3,161 fps	36,000 CUP	34.0C	3,442 fps	48,500 CUP
62 GR. BAR VG FB	AR2207	.243"	2.140"	24.4	3,028 fps	41,800 CUP	26.0	3,145 fps	47,700 CUP
	AR2219	.243"	2.140"	27.8	3,070 fps	42,000 CUP	29.6	3,190 fps	47,600 CUP
	Bench Mark 2	.243"	2.140"	29.1	3,060 fps	40,300 CUP	31.0C	3,265 fps	48,300 CUP
	Bench Mark 8208	.243"	2.140"	29.6	3,146 fps	41,600 CUP	31.5C	3,307 fps	47,900 CUP
	AR2206H	.243"	2.140"	29.6	3,166 fps	41,500 CUP	31.5C	3,349 fps	49,300 CUP
	AR2208	.243"	2.140"	28.7	3,102 fps	45,200 CUP	31.5C	3,258 fps	49,200 CUP
65 GR. HDY V-MAX	AR2207	.243"	2.140"	25.0	3,071 fps	42,200 CUP	27.0	3,242 fps	49,100 CUP
	AR2219	.243"	2.140"	27.0	2,978 fps	36,800 CUP	30.5	3,303 fps	49,600 CUP
	Bench Mark 2	.243"	2.140"	27.0	2,997 fps	36,000 CUP	30.5	3,205 fps	46,400 CUP
	Bench Mark 8208	.243"	2.140"	29.0	3,084 fps	36,300 CUP	32.3	3,397 fps	48,700 CUP
	AR2206H	.243"	2.140"	30.0	3,064 fps	37,700 CUP	33.0	3,366 fps	49,300 CUP
	AR2208	.243"	2.140"	31.0	3,021 fps	42,200 CUP	33.0	3,268 fps	49,900 CUP
70 GR. NOS BT	AR2219	.243"	2.100"	28.0	2,976 fps	38,700 CUP	30.0	3,200 fps	47,000 CUP
	Bench Mark 2	.243"	2.100"	29.7	3,019 fps	39,900 CUP	31.6	3,227 fps	49,000 CUP
	Bench Mark 8208	.243"	2.100"	29.5	3,045 fps	37,100 CUP	32.7	3,361 fps	51,600 CUP

AR2208

RIFLE DATA

Case: Remington Barrel length: 24" Twist: 1:9" Trim length: 1.510" 6mm BR Remington Primer: Remington 7 1/2 Start loads Maximum loads **Bullet** Powder Bullet Diam. C.O.L. Grs. Velocity **Pressure** Grs. Velocity **Pressure** 70 GR. AR2206 29 0 2,995 fps 31.0 3,200 fps 70 GR. NOS BT AR2206H 243" 2.100" 29.0 2,895 fps 38,200 CUP 31.0 3,188 fps 47,000 CUP AR2208 .243" 2.100" 31.0 3,101 fps 38.900 CUP 34.0C 49,400 CUP 3,342 fps 75 GR. SPR HP AR2219 .243" 2.115" 26.0 2,756 fps 37,100 CUP 28.0 47,000 CUP 3,096 fps Bench Mark 2 .243" 2.115" 29.0 2,959 fps 41,700 CUP 310 3,127 fps 49,600 CUP Bench Mark 8208 .243" 2.115" 28.0 38.900 CUP 30.8 48,800 CUP 2,926 fps 3,167 fps 75 GR. AR2206 2,915 fps 28.5 30.5 3,120 fps 75 GR. SPR HP AR2206H .243" 2.115" 28.5 2,980 fps 40,000 CUP 30.5 3,129 fps 47,000 CUP AR2208 .243" 42,200 CUP 50,000 CUP 2.115" 30.5 3,057 fps 32.5 3,239 fps 80 GR. SPR SP AR2219 .243" 2.115" 26.0 2,787 fps 39,300 CUP 28.0 3,005 fps 47,000 CUP Bench Mark 2 .243" 2.115" 28.5 2,872 fps 40.900 CUP 30.5 3,048 fps 49,400 CUP Bench Mark 8208 243" 2 115" 27.0 2,823 fps 39,800 CUP 304 49,500 CUP 3,107 fps 2,945 fps AR2206H 40,400 CUP 47,000 CUP .243" 2.115" 28.0 30.0 3,100 fps AR2208 .243" 2.115" 30.5 2,999 fps 43,100 CUP 32.5 3,159 fps 50,700 CUP 85 GR. SPR SP AR2219 .243" 2.115" 22.0 2,472 fps 40,400 CUP 24.0 2,632 fps 47,000 CUP Bench Mark 2 .243" 2.115" 27.7 2,792 fps 42,100 CUP 29.7 2,960 fps 49,800 CUP Bench Mark 8208 .243" 2.115" 27.0 2,782 fps 41,400 CUP 29.8 3,016 fps 49,900 CUP AR2206H 38,100 CUP 49,500 CUP .243" 2.115" 24.5 2,590 fps 26.5 2,770 fps AR2208 243" 2.115" 29.02,840 fps 43.100 CUP 31.0 3,007 fps 50.800 CUP 90 GR. SPR SP AR2219 243" 2 115" 22 0 2,423 fps 40.600 CUP 240 2,607 fps 48,000 CUP Bench Mark 2 2.115" .243" 27.0 2,703 fps 43,200 CUP 29.0 49.300 CUP 2.868 fps Bench Mark 8208 .243" 2.115" 25.0 2,599 fps 41,500 CUP 28.0 2,813 fps 50,000 CUP AR2206H 243" 2.115" 24.5 2,560 fps 40,400 CUP 270 2,743 fps 48,000 CUP AR2208 .243" 2.115" 27.5 2,674 fps 39,500 CUP 30.2 2,886 fps 47,500 CUP 100 GR, HDY SP AR2219 .243" 2.150" 22.0 2,275 fps 42,000 CUP 23.5 2,519 fps 50,000 CUP Bench Mark 2 .243" 2.150" 26.0 2,485 fps 43,100 CUP 28.0 2,670 fps 49,500 CUP Bench Mark 8208 243" 2.150" 24.0 40,500 CUP 27.0 49,800 CUP 2,388 fps 2,630 fps AR2206H .243" 2.150" 24.5 42,500 CUP 49,000 CUP 2,423 fps 27.0 2,603 fps AR2208 43,000 CUP .243" 2.150" 26.0 2,491 fps 28.0 2,649 fps 48,900 CUP 107 GR. SIE HPBT AR2219 .243" 23.0 2.325 fps 40.800 CUP 25.5 49.200 CUP 2 250" 2,525 fps 42,000 CUP Bench Mark 2 .243" 2.250" 26.0 2,466 fps 28.0 2,613 fps 49,800 CUP Bench Mark 8208 .243" 2.250" 24.0 42,700 CUP 50,400 CUP 2,380 fps 26.7 2,555 fps 2,329 fps AR2206H .243" 2.250" 24.5 37,900 CUP 2,605 fps 49,800 CUP 27.5

.243"

2.250"

26.0

2,367 fps

39,800 CUP

29.0C

2,620 fps

50,100 CUP

Case: Winchester (reformed) Barrel length: 24" Twist: 1:8" Trim length: 1.902" 6mm-250 (6mm International) Primer: Federal 210 Start loads Maximum loads **Bullet** Powder Bullet Diam. C.O.L. Grs. Velocity **Pressure** Grs. Velocity **Pressure** 55 GR. NOS BT 243' 2 500" Bench Mark 2 34.0 3,452 fps 43.700 CUP 37.0 3,684 fps 52.000 CUP AR2206H 41,100 CUP 51,000 CUP 243" 2 500" 37.0 3,544 fps 39.7C 3,766 fps AR2208 2 500" 38.0 3,515 fps 43,900 CUP 40.5C 3,720 fps 50.900 CUP 243' 60 GR. SIE HP Bench Mark 2 .243" 2.400" 33.0 44,500 CUP 35.5 51,000 CUP 3,337 fps 3,525 fps AR2206H 243' 2 400" 36.0 3,417 fps 40,500 CUP 38.5 3,674 fps 51,400 CUP AR2208 .243" 2.400" 37.0 44.300 CUP 39.3 51,400 CUP 3,398 fps 3,601 fps 70 GR. SIE HPBT Bench Mark 2 .243" 2.400" 47,000 CUP 49,000 CUP 31.0 3,149 fps 34.3 3,311 fps AR2206H .243" 2.400" 34.0 3,228 fps 40,900 CUP 37.0 3,436 fps 51,300 CUP 2.400" 35.0 40.200 CUP 50,900 CUP AR2208 .243' 3,166 fps 37.5 3,383 fps 80 GR. SIE BTSP AR2206H .243" 2.400" 34.0 3,185 fps 45.800 CUP 36.0 3,304 fps 51,000 CUP AR2208 243' 2 400" 34.0 3,104 fps 44,800 CUP 36.7 3,274 fps 51,400 CUP 40,400 CUP AR2209 243" 2 400" 39 O 3,082 fps 41.0C 45,000 CUP 3,211 fps 85 GR. SPR SPBT 2.450" 45.300 CUP 3,191 fps 50.700 CUP AR2206H .243' 32.7 3,070 fps 34.8 AR2208 .243" 2.450" 33.0 3,011 fps 44,100 CUP 35.4 3,171 fps 51,700 CUP AR2209 243' 2 450" 38.5 3,059 fps 42,800 CUP 41.0C 3,223 fps 48,900 CUP 90 GR. SPR SP AR2206H .243" 2.400" 32.4 2,939 fps 46,000 CUP 34.5 3,060 fps 51,400 CUP AR2208 .243" 2.400" 33.3 2,923 fps 44,900 CUP 35.5 3,053 fps 51,300 CUP 44,900 CUP 49,900 CUP AR2209 .243' 2.400" 38.5 2,985 fps 41.0C 3,126 fps 95 GR. NOS PART AR2206H 243' 2 500" 31.0 2.830 fps 45 900 CUP 33.0 2,935 fps 50 600 CUP AR2208 243" 2 500" 31.7 2,819 fps 43,900 CUP 338 2,962 fps 50,800 CUP 44.800 CUP AR2209 .243' 2.500" 36.5 2,887 fps 39.0C 3,045 fps 50.700 CUP 100 GR. HDY SP AR2206H .243" 2.500" 29.8 2,710 fps 46,500 CUP 31.8 2,835 fps 50,200 CUP AR2208 243' 2 500" 315 2,741 fps 46.000 CUP 33.5 2,851 fps 50 800 CUP AR2209 .243" 2.500" 35.5 2,769 fps 45,300 CUP 37.9C 2,890 fps 50,900 CUP 105 GR. HDY A-MAX AR2206H .243" 2.600" 28.9 2,646 fps 46,000 CUP 30.8 2,731 fps 51,700 CUP AR2208 .243" 2.600" 30.8 2,726 fps 48,600 CUP 32.8 2,822 fps 51,400 CUP AR2209 243' 2 600" 34.7 45,700 CUP 37.0C 52,200 CUP 2,724 fps 2,883 fps AR2213SC .243" 2.600" 37.6 45,400 CUP 40.0C 48,700 CUP 2,692 fps 2,800 fps 107 GR. SIE HPBT AR2206H .243' 2.600" 29.7 2,659 fps 45.900 CUP 31.6 2,783 fps 51,700 CUP 31.2 47.400 CUP AR2208 243' 2 600" 2,716 fps 332 2817 fps 51 800 CUP AR2209 .243" 2.600" 352 2,720 fps 45,000 CUP 37.5 2,844 fps 50,300 CUP AR2213SC .243" 2,606 fps 40,600 CUP 40.0C 2,738 fps 45,500 CUP 2.600" 37.6 Case: Winchester Barrel length: 24" Twist: 1:10" Trim length: 2.035" 243 Winchester Primer: Winchester I R Start loads Maximum loads Bullet Diam. Powder C.O.L. Grs. Velocity **Pressure** Grs. Velocity **Pressure** 55 GR. NOS BT LF AR2206H .243" 2.710" 35.7 50,700 PSI 38.0 57,100 PSI 3,621 fps 3,777 fps AR2208 .243" 2.710" 37.1 3,646 fps 53,000 PSI 39.5 3,782 fps 57,700 PSI 39.0 55 GR. NOS BT 243' 2 650" 41.5 Bench Mark 2 3,575 fps 42.600 CUP 3,815 fps 50,100 CUP Bench Mark 8208 .243" 2.650" 40.0 47,700 PSI 58,600 PSI 3,687 fps 43.0 3,931 fps 55 GR 39 N AR2206 $3.695 \, \text{fps}$ 420 3.890 fps 55 GR. NOS BT AR2206H 243' 2 650" 400 3,638 fps 35,100 CUP 44.5 4.058 fps 49,300 CUP AR2208 .243' 2.650" 41.0 42,000 CUP 45.0 50,000 CUP 3.776 fps 4.000 fps 58 GR. HDY V-MAX Bench Mark 2 .243" 2.600" 35.0 3,417 fps 41,800 CUP 37.5 3,607 fps 50,000 CUP

Bullet Powder Bullet Diam. C.O.L. Grs. Velocity Pressure Grs. Velocity Bench Mark 8208 .243" 2.600" 39.0 3,581 fps 47,300 PSI 42.3 3 AR2206H .243" 2.600" 40.0 3,643 fps 43,300 CUP 43.0 3 AR2208 .243" 2.600" 41.0 3,617 fps 44,800 CUP 44.0 3	_	Pressure 58,300 PSI 49,900 CUP
Primer: Winchester LR Start loads M	Velocity 3,825 fps 3,851 fps 3,790 fps	Pressure 58,300 PSI
Start loads M Bullet Powder Bullet Diam. C.O.L. Grs. Velocity Pressure Grs. Velocity Grs. V	Velocity 3,825 fps 3,851 fps 3,790 fps	Pressure 58,300 PSI
Bullet Powder Bullet Diam. C.O.L. Grs. Velocity Pressure Grs. Velocity Bench Mark 8208 .243" 2.600" 39.0 3,581 fps 47,300 PSI 42.3 3 AR2206H .243" 2.600" 40.0 3,643 fps 43,300 CUP 43.0 3 AR2208 .243" 2.600" 41.0 3,617 fps 44,800 CUP 44.0 3	Velocity 3,825 fps 3,851 fps 3,790 fps	Pressure 58,300 PSI
Bench Mark 8208 .243" 2.600" 39.0 3,581 fps 47,300 PSI 42.3 3 AR2206H .243" 2.600" 40.0 3,643 fps 43,300 CUP 43.0 3 AR2208 .243" 2.600" 41.0 3,617 fps 44,800 CUP 44.0 3	3,825 fps 3,851 fps 3,790 fps	58,300 PSI
AR2206H .243" 2.600" 40.0 3,643 fps 43,300 CUP 43.0 3 AR2208 .243" 2.600" 41.0 3,617 fps 44,800 CUP 44.0 3	3,851 fps 3,790 fps	,
AR2208 .243" 2.600" 41.0 3,617 fps 44,800 CUP 44.0 3	3,790 fps	49 900 CUP
		.0,000 00.
CO CD SIE LID Depois Merks 2 242 2 000 20 5 2 507 fee 47 000 Cl ID 44 0 6	3,713 fps	49,800 CUP
60 GR. SIE HP Bench Mark 2 .243" 2.600" 38.5 3,587 fps 47,000 CUP 41.2 3	· .	50,700 CUP
Bench Mark 8208 .243" 2.600" 37.0 3,505 fps 50,000 PSI 40.2 3	3,702 fps	58,500 PSI
60 GR. AR2206 38.0 3,550 fps - 41.5 3	3,715 fps	-
60 GR. SIE HP AR2206H .243" 2.600" 38.0 3,521 fps 40,500 CUP 42.0 3	3,812 fps	50,600 CUP
AR2208 .243" 2.600" 40.0 3,671 fps 45,400 CUP 42.7 3	3,816 fps	50,400 CUP
62 GR. BAR VG FB Bench Mark 2 .243" 2.620" 36.1 3,442 fps 52,000 PSI 38.0 3	3,586 fps	58,600 PSI
Bench Mark 8208 .243" 2.620" 35.0 3,321 fps 46,500 PSI 39.0 3	3,598 fps	58,800 PSI
AR2206H .243" 2.620" 36.7 3,478 fps 51,200 PSI 39.0 3	3,622 fps	57,400 PSI
AR2208 .243" 2.620" 39.3 3,476 fps 50,900 PSI 41.4 3	3,620 fps	57,100 PSI
65 GR. HDY V-MAX Bench Mark 2 .243" 2.600" 37.0 3,417 fps 44,300 CUP 40.0 3	3,598 fps	50,600 CUP
Bench Mark 8208 .243" 2.600" 37.0 3,363 fps 45,800 PSI 41.0 3	3,666 fps	58,500 PSI
AR2206H .243" 2.600" 38.0 3,522 fps 44,500 CUP 41.0 3	3,677 fps	49,200 CUP
AR2208 .243" 2.600" 38.0 3,494 fps 43,100 CUP 41.0 3	3,682 fps	49,600 CUP
70 GR. SPR HP Bench Mark 2 .243" 2.625" 36.5 3,128 fps 45,100 CUP 39.3 3	3,491 fps	50,300 CUP
Bench Mark 8208 .243" 2.625" 35.0 3,232 fps 47,600 PSI 38.6 3	3,461 fps	58,100 PSI
70 GR. AR2206 36.0 3,295 fps - 38.0 3	3,495 fps	-
70 GR. SPR HP AR2206H .243" 2.625" 36.0 3,286 fps 42,700 CUP 39.5 3	3,477 fps	49,200 CUP
AR2208 .243" 2.625" 38.0 3,433 fps 45,500 CUP 40.5 3	3,574 fps	50,100 CUP
75 GR. HDY HP Bench Mark 8208 .243" 2.640" 34.5 3,114 fps 48,200 PSI 37.8 3	3,316 fps	57,900 PSI
75 GR. AR2206 34.0 3,125 fps - 36.5 3	3,330 fps	-
75 GR. HDY HP AR2206H .243" 2.640" 34.0 3,101 fps 40,900 CUP 38.0 3	3,354 fps	49,400 CUP
AR2208 .243" 2.640" 36.0 3,246 fps 45,000 CUP 38.5 3	3,408 fps	50,500 CUP
80 GR. HDY GMX Bench Mark 8208 .243" 2.610" 33.0 2,961 fps 51,400 PSI 35.1 3	3,109 fps	58,800 PSI
AR2206H .243" 2.610" 32.7 2,982 fps 51,900 PSI 34.8 3	3,123 fps	58,100 PSI
AR2208 .243" 2.610" 34.1 2,986 fps 51,200 PSI 36.3 3	3,137 fps	58,700 PSI
AR2209 .243" 2.610" 38.3 3,045 fps 52,600 PSI 40.7 3	3,183 fps	58,500 PSI
80 GR. SIE BTSP Bench Mark 8208 .243" 2.600" 34.0 3,013 fps 45,400 PSI 38.0 3	3,269 fps	57,500 PSI
80 GR. AR2206 34.0 3,055 fps - 36.0 3	3,225 fps	-
80 GR. SIE BTSP AR2206H .243" 2.635" 35.0 3,123 fps 45,800 CUP 38.0 3	3,307 fps	50,100 CUP
AR2208 .243" 2.635" 36.0 3,193 fps 45,400 CUP 38.5 3	3,355 fps	50,300 CUP
85 GR. AR2206 32.0 2,950 fps - 35.5 3	3,125 fps	-
85 GR. BAR TSX AR2206H .243" 2.620" 32.6 2,955 fps 51,800 PSI 34.7 3	3,089 fps	57,500 PSI
AR2208 .243" 2.620" 34.3 2,997 fps 52,200 PSI 36.5 3	3,121 fps	58,000 PSI
AR2209 .243" 2.620" 37.3 2,972 fps 49,600 PSI 40.5 3	3,141 fps	57,300 PSI
90 GR. SPR SP AR2206H .243" 2.625" 34.0 2,967 fps 44,900 CUP 36.5 3	3,114 fps	50,800 CUP
AR2208 .243" 2.625" 34.0 2,964 fps 44,800 CUP 36.5 3	3,106 fps	50,400 CUP
AR2209 .243" 2.625" 42.0 3,039 fps 44,400 CUP 44.5 3	3,185 fps	50,600 CUP
AR2213SC .243" 2.625" 45.0 3,010 fps 43,700 CUP 48.0C 3	3,203 fps	50,800 CUP
95 GR. NOS PART AR2206H .243" 2.650" 33.0 2,865 fps 45,000 CUP 35.0 2	2,990 fps	50,700 CUP
AR2208 .243" 2.650" 33.0 2,870 fps 45,000 CUP 35.0 2	2,996 fps	50,200 CUP
AR2209 .243" 2.650" 39.0 2,917 fps 45,800 CUP 42.0 3	3,087 fps	50,500 CUP
AR2213SC .243" 2.650" 42.0 2,930 fps 47,000 CUP 44.5C 3	3,052 fps	50,700 CUP

Case: Winchester Barrel length: 24" Twist: 1:10" Trim length: 2.035" 243 Winchester Primer: Winchester LR Start loads Maximum loads **Bullet** Powder Bullet Diam. C.O.L. Grs. Velocity **Pressure** Grs. Velocity **Pressure** 2.650" 48.0C AR2217 243" 45.0 44,900 CUP 50,000 CUP 2,946 fps 3,077 fps 100 GR. SPR BTSP 2.650" 27.300 CUP 39.100 CUP Trail Boss 243' 80 1,045 fps 153 1,603 fps AR2206H .243" 2.650" 31.0 2,683 fps 44,900 CUP 33.0 2,818 fps 50,100 CUP AR2208 .243' 2.650" 31.0 2,674 fps 42,700 CUP 33.7 2,838 fps 50,400 CUP AR2209 .243" 2.650" 37.0 2,806 fps 45,100 CUP 40.0 2,973 fps 51,000 CUP AR2213SC 243' 2 650" 390 2,761 fps 44 400 CUP 420 2,924 fps 50 100 CUP AR2217 .243" 44.0 45,700 CUP 47.0C 3,000 fps 49,800 CUP 2.650" 2,876 fps 105 GR. HDY A-MAX AR2206H .243" 2.760" 30.5 2,619 fps 44,900 CUP 32.5 50,100 CUP 2.724 fps AR2208 243" 45.600 CUP 50,800 CUP 2.760" 31.0 2,631 fps 33.0 2,769 fps AR2209 243' 2.760" 35.0 2,663 fps 44,300 CUP 37.5 2,799 fps 49.500 CUP AR2213SC 243' 2.760" 38.0 43,900 CUP 41.0 50,200 CUP 2,687 fps 2,846 fps AR2217 2 760" 430 45 400 CUP 46 0C 2,930 fps 243' 2.798 fps 50 200 CUP .243" 46.0 44.200 CUP 49.700 CUP AR2225 2.760" 2,772 fps 49.0C 2,986 fps 107 GR. SIE BTHP AR2206H .243' 2.850" 30.5 2,613 fps 45,900 CUP 32.5 2,719 fps 49,900 CUP AR2208 243" 2.850" 31.0 2,630 fps 45,300 CUP 33.0 2,749 fps 50,400 CUP AR2209 .243" 2.850" 35.0 2,671 fps 43,100 CUP 37.5 2,800 fps 50,200 CUP AR2213SC .243" 2.850" 38.0 2,678 fps 43,700 CUP 41.0 2,835 fps 50,100 CUP 44,700 CUP 50,100 CUP .243" 43.0 46.0C AR2217 2.850" 2,787 fps 2,918 fps AR2225 243' 2.850" 42 800 CUP 49.0C 48 500 CUP 460 2,785 fps 2,974 fps Case: Winchester Barrel length: 24" Twist: 1:9" Trim length: 2.223" 6mm Remington (244 Remington) Primer: Remington 9 1/2 Start loads Maximum loads Bullet Powder Bullet Diam. C.O.L. Grs. Velocity Pressure Grs. Velocity Pressure 55 GR. NOS BT LF Bench Mark 2 243' 2 825" 40 0 3,584 fps 44,900 PSI 44 0 4,005 fps 61,700 PSI Bench Mark 8208 42 200 PSI 4,013 fps 60,800 PSI 243" 2 825" 400 3,540 fps 446 4,071 fps AR2206H .243' 2.825" 41.0 3,598 fps 43,200 PSI 46.0 61,800 PSI AR2208 .243" 2.825" 43.0 3,679 fps 46,900 PSI 47.0 4,027 fps 60,700 PSI 55 GR. NOS BT Bench Mark 2 .243' 40.0 44,800 PSI 44.5 2.800" 3,656 fps 4.028 fps 59.600 PSI Bench Mark 8208 .243" 2.800" 40.0 3,533 fps 39,700 PSI 45.0 4,044 fps 59,300 PSI AR2206H .243" 2.800" 42.0 3,656 fps 43,700 PSI 46.5 4,066 fps 59,300 PSI AR2208 243' 2 800" 43.0 45,700 PSI 47.5 58,800 PSI 3,678 fps 4,023 fps 58 GR. HDY V-MAX Bench Mark 2 .243' 2.775" 39.0 42,200 PSI 43.0 59.000 PSI 3,500 fps 3,896 fps Bench Mark 8208 243" 2.775" 40.0 3,537 fps 42,700 PSI 44.5 3,939 fps 58.600 PSI AR2206H 2.775" 41.0 44.500 PSI 46.0 243' 3 590 fps 3,972 fps 58 900 PSI AR2208 .243" 2.775" 42.0 3,571 fps 44,600 PSI 46.7 3,953 fps 59,600 PSI Bench Mark 2 60 GR. SIE HP .243' 2.700" 39.0 3,478 fps 44,400 PSI 43.0 3,826 fps 59,000 PSI Bench Mark 8208 .243" 2.700" 40.0 43,000 PSI 44.5 60,500 PSI 3,488 fps 3,907 fps AR2206H .243" 2.700" 41.0 3,544 fps 45,300 PSI 46.0 3,934 fps 61,400 PSI 42.0 AR2208 2.700" 47,200 PSI 46.5 60,200 PSI .243" 3,565 fps 3,900 fps 65 GR. HDY V-MAX Bench Mark 2 .243' 39.0 49,000 PSI 41.3 60,200 PSI 2.825" 3,472 fps 3,694 fps Bench Mark 8208 2.825" 45,000 PSI 60,900 PSI 243" 390 3,412 fps 43.5 3,777 fps AR2206H 243' 2 825" 390 3,460 fps 47,100 PSI 44 0 3,797 fps 60,600 PSI 3,468 fps AR2208 .243' 2.825" 41.0 47,600 PS 45.5 3,775 fps 60.200 PSI AR2209 .243" 2.825" 48.0 3,564 fps 50,900 PSI 51.5C 3,763 fps 58,900 PSI

Case: Winchester Barrel length: 24" Twist: 1.9" Trim length: 2.223" 6mm Remington (244 Remington) Primer: Remington 9 1/2 Start loads Maximum loads **Bullet** Powder Bullet Diam. C.O.L. Grs. Velocity **Pressure** Grs. Velocity **Pressure** 70 GR. SIE HPBT 243" 38.0 46,800 PSI 59,300 PSI Bench Mark 2 2.810" 3,315 fps 41.0 3,579 fps Bench Mark 8208 243" 43.000 PSI 59.500 PSI 2810" 38.0 3,236 fps 427 3,616 fps AR2206H .243" 2.810" 39.0 3,435 fps 51,200 PSI 43.0 60,100 PSI 3,653 fps AR2208 .243" 2.810" 40.0 3,355 fps 47,800 PSI 44.5 59,500 PSI 3,639 fps AR2209 .243" 2.810" 46.0 3,360 fps 46,700 PSI 50.8C 59,800 PSI 3.671 fps 75 GR. HDY HP Bench Mark 8208 243" 2 825 37.0 3,184 fps 48,100 PSI 3,470 fps 59 700 PSI AR2206H .243" 3,230 fps 49,900 PSI 60,500 PSI 2.825" 37.0 41.5 3,482 fps AR2208 .243" 2.825" 38.0 3,207 fps 48,500 PSI 42.6 59,500 PSI 3.480 fps AR2209 .243" 2.825" 44.0 3,262 fps 48,600 PSI 490 3,563 fps 61,200 PSI 80 GR. BAR TTSX BT Bench Mark 8208 .243" 2.810" 36.0 3,068 fps 46.400 PSI 40.3 3,363 fps 60.100 PSI AR2206H 243" 2810" 37.0 3,169 fps 49,500 PSI 41.3 60,500 PSI 3,419 fps AR2208 243" 2810" 38.0 3,140 fps 47 900 PSI 425 59 800 PSI 3.416 fps 42.0 43.900 PSI AR2209 .243" 2.810" 3,065 fps 47.5 3,427 fps 58.800 PSI 80 GR. SPR SP Bench Mark 8208 .243" 2.775" 37.0 3,156 fps 51,600 PSI 40.7 3,353 fps 59,800 PSI AR2206H 243" 2.775" 37.0 3,167 fps 50,900 PSI 40.5 3,377 fps 59,900 PSI AR2208 .243" 2.775" 38.0 3,148 fps 49,400 PSI 41.8 3,376 fps 59,400 PSI AR2209 .243" 2.775" 42.0 3,123 fps 46,700 PSI 47.0 3,430 fps 59,400 PSI 85 GR. NOS PART 2.825" 48,400 PSI 39.5 AR2206H .243" 35.5 3,003 fps 3,253 fps 59,200 PSI AR2208 243" 2 825" 49,200 PSI 59,100 PSI 37.0 3,020 fps 41.0 3,270 fps AR2209 243" 2 825" 42 0 3,075 fps 48,200 PSI 46.5 3,350 fps 59,300 PSI 87 GR. HDY HPBT 49.100 PSI 60.300 PSI AR2206H .243" 2.825" 35.5 2.986 fps 39.5 3.214 fps AR2208 .243" 2.825 37.0 3,011 fps 49,100 PSI 41.0 3,243 fps 59,300 PSI AR2209 .243" 2.825" 42.0 3,051 fps 48,100 PSI 46.7 3,317 fps 59,500 PSI AR2213SC .243" 44.0 41,900 PSI 49.5C 2.825 2.871 fps 3.164 fps 53.200 PSI 95 GR. NOS BT AR2206H .243" 2.825" 35.0 2,855 fps 50,100 PSI 38.7 3,076 fps 60,100 PSI AR2208 .243" 2 825" 36.0 2,843 fps 47,800 PSI 40.0 3,091 fps 58,900 PSI 243" AR2209 2 825" 41.0 48,100 PSI 455 59,200 PSI 2,909 fps 3,167 fps AR2213SC .243" 2.825" 44.0 43,700 PSI 49.5C 57,600 PSI 2,798 fps 3,125 fps 50.5C AR2217 .243" 2.825" 47.0 2,835 fps 43,000 PSI 3,056 fps 52,900 PSI 100 GR. SPR BT AR2206H .243" 2.775" 34.0 2.749 fps 45.900 PSI 38.5 3.035 fps 59.900 PSI .243" AR2208 2.775" 36.0 2,843 fps 49,800 PSI 402 3,055 fps 59,200 PSI AR2209 .243" 2.775" 41.0 2,879 fps 47,900 PSI 45.5 3,137 fps 59,800 PSI AR2213SC .243" 2.775" 45.0 2,794 fps 43,900 PSI 49.0C 56,100 PSI 3,064 fps AR2217 .243" 2.775" 47.0 2,779 fps 41,500 PSI 50.0C 2,955 fps 48,900 PSI 105 GR. HDY A-MAX AR2208 243" 2 825" 34.0 2,711 fps 47,400 PSI 38.0 2,946 fps 58,800 PSI 2,838 fps AR2209 .243" 2.825" 40.0 49,700 PSI 43.5 58,800 PSI 3,029 fps AR2213SC .243" 44.0 49,400 PSI 57,900 PSI 2.825" 2.839 fps 47.5C 3,028 fps .243" 47.0 AR2217 2 825' 2,817 fps 45 800 PSI 50 0C 2,980 fps 53 300 PSI 107 GR. SIE HPBT 34.0 46,300 PSI AR2208 .243" 2.950" 2.652 fps 38.5 2,930 fps 60.200 PSI AR2209 .243" 2.950" 39.0 2,779 fps 48,800 PSI 43.5 3,016 fps 59,600 PSI .243" 43.0 48.300 PSI 59.600 PSI AR2213SC 2 950" 2,779 fps 48 0C 3,042 fps AR2217 243" 2 950" 47.0 2,818 fps 47,400 PSI 50.0C 2,980 fps 55,100 PSI

.243"

.243"

243"

2.950"

2 825'

2 825'

47.0

36.0

39.0

2,836 fps

2,537 fps

2 598 fps

44,900 PSI

43,200 CUP

43,800 CUP

AR2225

AR2209

AR2213SC

115 GR. BAR RN

3,033 fps

2,696 fps

2,761 fps

55,200 PSI

49,700 CUP

49,800 CUP

50.0C

39.0

420

				Case: V	Vinchester		Barrel le	ength: 24"	
6mm Remington (2	244 Reminaton)			Twist: 1	:9"		Trim len	gth: 2.223"	
ommittenington (2				Primer:	Remington 9	1/2		-	
					Start loa			Maximum I	nads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
Dullet	AR2217	.243"	2.825"	43.0	2,665 fps	43,800 CUP	45.5	2,793 fps	49,600 CUP
	AR2225	.243"	2.825"	47.0	2,711 fps	43,200 CUP	50.0C	2,878 fps	49,000 CUP
	7 11 12220	.210	2.020	47.0	2,7111μο	10,200 001	00:00	2,010100	10,000 001
				Case: V	Vinchester		Barrel le	ength: 24"	
243 Winchester Su	per Short Magnum			Twist: 1	:10"		Trim len	igth: 1.660"	
				Primer:	Winchester L	R			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
58 GR. HDY V-MAX	Bench Mark 8208	.243"	2.200"	40.0	3,677 fps	50,200 PSI	44.3	3,985 fps	63,200 PSI
	AR2206H	.243"	2.220"	42.0	3,756 fps	51,700 PSI	45.3	4,021 fps	63,100 PSI
	AR2208	.243"	2.220"	44.0	3,739 fps	52,000 PSI	47.0	3,975 fps	62,800 PSI
62 GR. BAR VG FB	Bench Mark 8208	.243"	2.240"	38.5	3,562 fps	54,800 PSI	40.9	3,726 fps	62,300 PSI
	AR2206H	.243"	2.240"	38.0	3,497 fps	55,700 PSI	40.0	3,641 fps	62,800 PSI
	AR2208	.243"	2.240"	39.9	3,441 fps	54,900 PSI	42.4	3,637 fps	61,900 PSI
70 GR. NOS BT	Bench Mark 8208	.243"	2.200"	38.0	3,445 fps	54,000 PSI	41.5	3,646 fps	62,900 PSI
	AR2206H	.243"	2.280"	39.0	3,434 fps	52,500 PSI	42.0	3,618 fps	62,500 PSI
	AR2208	.243"	2.280"	41.0	3,474 fps	54,500 PSI	43.7	3,655 fps	63,400 PSI
	AR2209	.243"	2.280"	45.0	3,385 fps	48,000 PSI	48.7C	3,614 fps	58,400 PSI
80 GR. SIE BTSP	Bench Mark 8208	.243"	2.200"	35.0	3,137 fps	50,500 PSI	39.0	3,394 fps	62,400 PSI
	AR2206H	.243"	2.220"	38.5	3,255 fps	53,300 PSI	41.0	3,409 fps	62,500 PSI
	AR2208	.243"	2.220"	39.0	3,288 fps	54,400 PSI	42.0	3,462 fps	63,300 PSI
	AR2209	.243"	2.220"	45.0	3,323 fps	52,600 PSI	48.7C	3,545 fps	63,000 PSI
90 GR. SFT SCIR	Bench Mark 8208	.243"	2.300"	32.0	2,866 fps	52,200 PSI	35.8	3,098 fps	63,600 PSI
	AR2206H	.243"	2.300"	35.0	2,954 fps	52,000 PSI	37.7	3,124 fps	61,900 PSI
	AR2208	.243"	2.300"	36.0	2,979 fps	53,200 PSI	39.2	3,175 fps	63,200 PSI
	AR2209	.243"	2.300"	41.0	3,087 fps	56,200 PSI	44.0C	3,245 fps	62,900 PSI
	AR2213SC	.243"	2.300"	44.0	3,045 fps	55,800 PSI	47.0C	3,200 fps	63,200 PSI
100 GR. SPR BTSP	Bench Mark 8208	.243"	2.300"	31.5	2,764 fps	52,500 PSI	35.0	2,982 fps	63,100 PSI
	AR2206H	.243"	2.300"	33.0	2,809 fps	55,100 PSI	35.5	2,946 fps	63,600 PSI
	AR2208	.243"	2.300"	34.0	2,829 fps	53,600 PSI	36.6	2,981 fps	62,100 PSI
	AR2209	.243"	2.300"	39.0	2,938 fps	55,400 PSI	41.7	3,074 fps	62,300 PSI
	AR2213SC	.243"	2.300"	41.5	2,878 fps	54,000 PSI	45.0	3,058 fps	63,000 PSI
				Caca: \A	Vinchester (ref	formad)	Darrol In	ength: 26"	
				Twist: 1	`	iormea)		engun: 26 i gth: 2.160"	
6mm - 284						_	mmen	igui. 2. 100	
				Primer:	Winchester L	R 	1		
			Т		Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
55 GR. NOS BT	AR2206H	.243"	2.780"	47.0	3,837 fps	47,100 CUP	50.0	4,050 fps	51,700 CUP
	AR2208	.243"	2.780"	47.0	3,779 fps	47,500 CUP	50.5	3,921 fps	51,600 CUP
	AR2209	.243"	2.780"	55.0	3,738 fps	42,300 CUP	59.0C	4,039 fps	51,600 CUP
60 GR. SIE HP	AR2206H	.243"	2.680"	45.0	3,740 fps	47,200 CUP	48.5	3,910 fps	52,100 CUP
	AR2208	.243"	2.680"	45.0	3,672 fps	47,700 CUP	49.0	3,855 fps	52,400 CUP
	AR2209	.243"	2.680"	54.0	3,719 fps	44,800 CUP	58.0	3,976 fps	52,300 CUP
	AR2213SC	.243"	2.680"	56.0	3,584 fps	46,400 CUP	60.0C	3,756 fps	51,400 CUP
62 GR. BAR VG FB	AR2206H	.243"	2.775"	40.0	3,408 fps	40,600 CUP	44.5	3,707 fps	50,800 CUP

6mm - 28/

Case: Winchester (reformed)

Barrel length: 26" Trim length: 2.160"

Twist: 1:10"

6mm - 284				Twist: 1	:10"		Trim len	gth: 2.160"	
				Primer:	Winchester L	R			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
	AR2208	.243"	2.775"	44.0	3,583 fps	44,500 CUP	48.5	3,851 fps	51,800 CUP
	AR2209	.243"	2.775"	48.0	3,489 fps	41,600 CUP	54.3C	3,863 fps	52,500 CUP
	AR2213SC	.243"	2.775"	55.0	3,607 fps	46,400 CUP	59.0C	3,777 fps	50,300 CUP
65 GR. HDY V-MAX	AR2206H	.243"	2.735"	43.0	3,528 fps	42,800 CUP	46.0	3,724 fps	50,400 CUP
	AR2208	.243"	2.735"	44.0	3,532 fps	45,200 CUP	47.0	3,688 fps	49,800 CUP
	AR2209	.243"	2.735"	51.7	3,584 fps	44,500 CUP	55.0	3,767 fps	49,800 CUP
	AR2213SC	.243"	2.735"	54.0	3,481 fps	43,800 CUP	57.5	3,678 fps	51,300 CUP
70 GR. HDY SP	AR2209	.243"	2.730"	52.0	3,550 fps	46,300 CUP	55.0	3,731 fps	52,200 CUP
	AR2213SC	.243"	2.730"	55.0	3,442 fps	45,900 CUP	58.5C	3,632 fps	51,900 CUP
75 GR. HDY V-MAX	AR2209	.243"	2.750"	49.0	3,466 fps	46,800 CUP	53.0	3,644 fps	52,300 CUP
	AR2213SC	.243"	2.750"	53.0	3,331 fps	45,200 CUP	56.5	3,566 fps	52,200 CUP
80 GR. SPR SP	AR2209	.243"	2.730"	47.5	3,259 fps	45,600 CUP	50.5	3,447 fps	51,800 CUP
	AR2213SC	.243"	2.730"	52.0	3,306 fps	47,100 CUP	55.0	3,440 fps	52,000 CUP
	AR2217	.243"	2.730"	55.0	3,296 fps	46,700 CUP	59.0C	3,467 fps	52,000 CUP
85 GR. BAR TSX	AR2209	.243"	2.750"	43.0	3,116 fps	43,100 CUP	47.5	3,343 fps	51,800 CUP
	AR2213SC	.243"	2.750"	46.0	3,137 fps	46,200 CUP	50.0	3,332 fps	51,700 CUP
	AR2217	.243"	2.750"	51.0	3,234 fps	48,200 CUP	55.5C	3,374 fps	51,700 CUP
	AR2225	.243"	2.750"	55.0	3,272 fps	44,300 CUP	57.0C	3,398 fps	49,000 CUP
90 GR. NOS E-TIP	AR2209	.243"	2.800"	46.0	3,064 fps	43,700 CUP	50.0C	3,244 fps	49,100 CUP
	AR2213SC	.243"	2.800"	49.0	2,986 fps	41,100 CUP	54.5C	3,267 fps	50,100 CUP
	AR2217	.243"	2.800"	52.0	3,001 fps	41,200 CUP	57.0C	3,236 fps	48,200 CUP
	AR2225	.243"	2.800"	52.0	3,035 fps	39,500 CUP	57.0C	3,278 fps	46,800 CUP
90 GR. SPR SP	AR2209	.243"	2.750"	44.5	3,077 fps	46,300 CUP	47.5	3,223 fps	51,800 CUP
	AR2213SC	.243"	2.750"	49.0	3,101 fps	47,100 CUP	52.5	3,272 fps	52,200 CUP
	AR2217	.243"	2.750"	52.0	3,072 fps	45,900 CUP	55.5	3,241 fps	51,900 CUP
	AR2225	.243"	2.750"	55.5	3,185 fps	46,300 CUP	59.0C	3,338 fps	51,900 CUP
100 GR. NOS PART	AR2209	.243"	2.760"	43.0	2,925 fps	46,300 CUP	46.0	3,066 fps	52,000 CUP
	AR2213SC	.243"	2.760"	48.0	2,960 fps	46,400 CUP	51.0	3,108 fps	52,100 CUP
	AR2217	.243"	2.760"	52.0	3,007 fps	47,300 CUP	55.0	3,145 fps	52,200 CUP
	AR2225	.243"	2.760"	54.0	3,018 fps	44,400 CUP	57.5	3,219 fps	51,800 CUP
105 GR. SPR SP	AR2213SC	.243"	2.800"	45.0	2,804 fps	47,700 CUP	48.0	2,978 fps	52,200 CUP
	AR2217	.243"	2.800"	47.0	2,794 fps	45,700 CUP	50.0	2,913 fps	51,600 CUP
	AR2225	.243"	2.800"	51.0	2,901 fps	45,700 CUP	54.5C	3,070 fps	52,000 CUP
107 GR. SIE HPBT	AR2213SC	.243"	2.800"	48.0	2,946 fps	48,000 CUP	51.0	3,049 fps	52,200 CUP
	AR2217	.243"	2.800"	51.0	2,879 fps	45,700 CUP	54.5	3,069 fps	52,400 CUP
	AR2225	.243"	2.800"	53.0	2,972 fps	45,700 CUP	56.5C	3,138 fps	51,800 CUP
115 GR. BAR SP	AR2213SC	.243"	2.650"	43.0	2,670 fps	46,500 CUP	46.0	2,797 fps	51,800 CUP
	AR2217	.243"	2.650"	46.0	2,682 fps	46,400 CUP	49.0	2,805 fps	52,200 CUP
	AR2225	.243"	2.650"	50.0	2,805 fps	47,500 CUP	53.0C	2,934 fps	51,900 CUP

				Coco: \/	Veatherby		Porrel le	ength: 24"	
				Twist: 1	•			gth: 2.490"	
240 Weatherby Ma	gnum				.9 Winchester Ll	₹	mmen	gui. 2.490	
					Start load			Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
60 GR. SIE HP	AR2206H	.243"	3.060"	-	-	-	47.0	3,521 fps	-
	AR2213SC	.243"	3.060"	-	-	-	57.0	3,488 fps	-
75 GR. HDY HP	AR2206H	.243"	3.075"	-	-	-	46.0	3,445 fps	-
	AR2213SC	.243"	3.075"	-	-	-	56.0	3,453 fps	-
80 GR. SPR SP	AR2206H	.243"	3.060"	-	-	-	44.0	3,359 fps	-
	AR2213SC	.243"	3.060"	-	-	-	56.0	3,481 fps	-
	AR2217	.243"	3.060"	57.0	3,082 fps	-	59.0	3,207 fps	-
85 GR. SIE HPBT	AR2213SC	.243"	3.060"	-	-	-	56.0	3,460 fps	-
	AR2217	.243"	3.060"	57.0	3,043 fps	-	59.0	3,167 fps	-
90 GR. SPR SP	AR2213SC	.243"	3.060"	-	-	-	55.0	3,394 fps	-
	AR2217	.243"	3.060"	57.0	3,037 fps	-	59.0	3,140 fps	-
100 GR. NOS PART	AR2213SC	.243"	3.060"	-	-	-	53.0	3,202 fps	-
	AR2217	.243"	3.060"	57.0	3,018 fps	-	59.0	3,122 fps	-
115 GR. BAR SP	AR2213SC	.243"	3.050"	-	-	-	46.0	2,779 fps	-
	AR2217	.243"	3.050"	56.0	2,971 fps	-	58.0	3,066 fps	-
25-20 Winchester (25-20 WCF)			Case: R	temington :14"			ength: 24" gth: 1.320"	
25-20 Winchester (25-20 WCF)			Twist: 1	ŭ	R		•	
	25-20 WCF) Rifle section for more loads with l	lead bullets.		Twist: 1	:14"	R		•	
	,	lead bullets.		Twist: 1	:14"			•	oads
	,	lead bullets. Bullet Diam.	C.O.L.	Twist: 1	:14" Winchester S			gth: 1.320"	oads Pressure
NOTE: See Single Action	Rifle section for more loads with l	1	C.O.L. 1.600"	Twist: 1 Primer:	:14" Winchester S Start loar	ds	Trim len	gth: 1.320" Maximum I	1
NOTE: See Single Action	Rifle section for more loads with I	Bullet Diam.		Twist: 1 Primer: Grs.	:14" Winchester S Start load Velocity	ds Pressure	Grs.	gth: 1.320" Maximum I Velocity	Pressure
NOTE: See Single Action	Rifle section for more loads with I Powder AR2205	Bullet Diam.	1.600"	Twist: 1 Primer: Grs. 9.6	:14" Winchester S Start load Velocity 1,854 fps	Pressure 24,200 CUP	Grs.	Maximum I Velocity 1,962 fps	Pressure 26,700 CUP
NOTE: See Single Action	Powder AR2205 AR2207	Bullet Diam. .257" .257"	1.600" 1.600"	Twist: 1 Primer: Grs. 9.6 12.0	Start load Velocity 1,854 fps 1,814 fps	Pressure 24,200 CUP 20,200 CUP	Grs. 10.2 14.2C	Maximum I Velocity 1,962 fps 2,101 fps	Pressure 26,700 CUP 25,800 CUP
NOTE: See Single Action Bullet 60 GR. HDY FP	Powder AR2205 AR2219	Bullet Diam. .257" .257" .257"	1.600" 1.600" 1.600"	Twist: 1 Primer: Grs. 9.6 12.0 14.0	Start load Velocity 1,854 fps 1,814 fps 1,799 fps	ds Pressure 24,200 CUP 20,200 CUP 23,600 CUP	Grs. 10.2 14.2C 15.0C	Maximum I Velocity 1,962 fps 2,101 fps 1,900 fps	Pressure 26,700 CUP 25,800 CUP 25,700 CUP
NOTE: See Single Action Bullet 60 GR. HDY FP	Powder AR2205 AR2219 AR2205	Bullet Diam257" .257" .257" .257"	1.600" 1.600" 1.600" 1.575"	Twist: 1 Primer: Grs. 9.6 12.0 14.0 8.3	Start load Velocity 1,854 fps 1,814 fps 1,799 fps 1,521 fps	Pressure 24,200 CUP 20,200 CUP 23,600 CUP 21,000 CUP	Grs. 10.2 14.2C 15.0C 9.3	Maximum I Velocity 1,962 fps 2,101 fps 1,900 fps 1,741 fps	Pressure 26,700 CUP 25,800 CUP 25,700 CUP 27,900 CUP
NOTE: See Single Action Bullet 60 GR. HDY FP	Powder AR2205 AR2207 AR2205 AR2207 AR2207	Bullet Diam257" .257" .257" .257" .257"	1.600" 1.600" 1.600" 1.575" 1.575"	Twist: 1 Primer: Grs. 9.6 12.0 14.0 8.3 10.5	Start load Velocity 1,854 fps 1,814 fps 1,799 fps 1,521 fps 1,530 fps	Pressure 24,200 CUP 20,200 CUP 23,600 CUP 21,000 CUP 18,100 CUP	Grs. 10.2 14.2C 15.0C 9.3 12.8	Maximum I Velocity 1,962 fps 2,101 fps 1,900 fps 1,741 fps 1,877 fps	Pressure 26,700 CUP 25,800 CUP 25,700 CUP 27,900 CUP 27,300 CUP
NOTE: See Single Action Bullet 60 GR. HDY FP 75 GR. SPR FP	Powder AR2205 AR2207 AR2219 AR2207 AR2219 AR2219	Bullet Diam257" .257" .257" .257" .257" .257"	1.600" 1.600" 1.600" 1.575" 1.575"	Twist: 1 Primer: Grs. 9.6 12.0 14.0 8.3 10.5 12.0	Start load Velocity 1,854 fps 1,814 fps 1,799 fps 1,521 fps 1,530 fps 1,523 fps	Pressure 24,200 CUP 20,200 CUP 23,600 CUP 21,000 CUP 18,100 CUP 22,300 CUP	Grs. 10.2 14.2C 15.0C 9.3 12.8 13.5	Maximum I Velocity 1,962 fps 2,101 fps 1,900 fps 1,741 fps 1,877 fps 1,702 fps	Pressure 26,700 CUP 25,800 CUP 25,700 CUP 27,900 CUP 27,300 CUP 26,700 CUP
NOTE: See Single Action Bullet 60 GR. HDY FP 75 GR. SPR FP	Powder AR2205 AR2207 AR2219 AR2205 AR2207 AR2219 AR2207 AR2219 AR2205	Bullet Diam257" .257" .257" .257" .257" .257" .257"	1.600" 1.600" 1.600" 1.575" 1.575" 1.600"	Twist: 1 Primer: Grs. 9.6 12.0 14.0 8.3 10.5 12.0 8.0	Start load Velocity 1,854 fps 1,814 fps 1,799 fps 1,521 fps 1,530 fps 1,523 fps 1,444 fps	ds Pressure 24,200 CUP 20,200 CUP 23,600 CUP 21,000 CUP 18,100 CUP 22,300 CUP 23,700 CUP	Grs. 10.2 14.2C 15.0C 9.3 12.8 13.5 8.6	Maximum I Velocity 1,962 fps 2,101 fps 1,900 fps 1,741 fps 1,877 fps 1,702 fps 1,545 fps	Pressure 26,700 CUP 25,800 CUP 25,700 CUP 27,900 CUP 27,300 CUP 26,700 CUP 27,600 CUP
NOTE: See Single Action Bullet 60 GR. HDY FP 75 GR. SPR FP	Powder AR2205 AR2207 AR2205 AR2207 AR2207 AR2207 AR2207 AR2219 AR2207 AR2219 AR2207 AR2219 AR2207	Bullet Diam257" .257" .257" .257" .257" .257" .257" .257"	1.600" 1.600" 1.575" 1.575" 1.575" 1.600"	Twist: 1 Primer: Grs. 9.6 12.0 14.0 8.3 10.5 12.0 8.0 10.5 11.3	Start load Velocity 1,854 fps 1,814 fps 1,799 fps 1,521 fps 1,523 fps 1,523 fps 1,444 fps 1,576 fps 1,358 fps	24,200 CUP 20,200 CUP 23,600 CUP 21,000 CUP 18,100 CUP 22,300 CUP 23,700 CUP 24,500 CUP	Grs. 10.2 14.2C 15.0C 9.3 12.8 13.5 8.6 11.5 12.0	Maximum I Velocity 1,962 fps 2,101 fps 1,900 fps 1,741 fps 1,877 fps 1,702 fps 1,545 fps 1,673 fps 1,517 fps	Pressure 26,700 CUP 25,800 CUP 25,700 CUP 27,900 CUP 27,300 CUP 26,700 CUP 27,600 CUP 26,500 CUP
NOTE: See Single Action Bullet 60 GR. HDY FP 75 GR. SPR FP 86 GR. REM SP	Powder AR2205 AR2207 AR2219 AR2207 AR2219 AR2207 AR2219 AR2207 AR2219 AR2219 AR2219 AR2219 AR2219	Bullet Diam257" .257" .257" .257" .257" .257" .257" .257"	1.600" 1.600" 1.575" 1.575" 1.575" 1.600"	Twist: 1 Primer: Grs. 9.6 12.0 14.0 8.3 10.5 12.0 8.0 10.5 11.3 Case: W	Start load Velocity 1,854 fps 1,814 fps 1,799 fps 1,521 fps 1,530 fps 1,523 fps 1,5444 fps 1,576 fps 1,358 fps Vinchester	24,200 CUP 20,200 CUP 23,600 CUP 21,000 CUP 18,100 CUP 22,300 CUP 23,700 CUP 24,500 CUP	Grs. 10.2 14.2C 15.0C 9.3 12.8 13.5 8.6 11.5 12.0 Barrel le	Maximum I Velocity 1,962 fps 2,101 fps 1,900 fps 1,741 fps 1,877 fps 1,702 fps 1,545 fps 1,673 fps 1,517 fps	Pressure 26,700 CUP 25,800 CUP 25,700 CUP 27,900 CUP 27,300 CUP 26,700 CUP 27,600 CUP 26,500 CUP
NOTE: See Single Action Bullet 60 GR. HDY FP 75 GR. SPR FP	Powder AR2205 AR2207 AR2219 AR2207 AR2219 AR2207 AR2219 AR2207 AR2219 AR2219 AR2219 AR2219 AR2219	Bullet Diam257" .257" .257" .257" .257" .257" .257" .257"	1.600" 1.600" 1.575" 1.575" 1.575" 1.600"	Twist: 1 Primer: Grs. 9.6 12.0 14.0 8.3 10.5 12.0 8.0 10.5 11.3 Case: W Twist: 1	Start load Velocity 1,854 fps 1,814 fps 1,799 fps 1,521 fps 1,523 fps 1,523 fps 1,5444 fps 1,576 fps 1,358 fps Vinchester :14"	24,200 CUP 20,200 CUP 23,600 CUP 21,000 CUP 18,100 CUP 22,300 CUP 23,700 CUP 24,500 CUP 22,100 CUP	Grs. 10.2 14.2C 15.0C 9.3 12.8 13.5 8.6 11.5 12.0 Barrel le	Maximum I Velocity 1,962 fps 2,101 fps 1,900 fps 1,741 fps 1,877 fps 1,702 fps 1,545 fps 1,673 fps 1,517 fps	Pressure 26,700 CUP 25,800 CUP 25,700 CUP 27,900 CUP 27,300 CUP 26,700 CUP 27,600 CUP 26,500 CUP
NOTE: See Single Action Bullet 60 GR. HDY FP 75 GR. SPR FP 86 GR. REM SP	Powder AR2205 AR2207 AR2219 AR2207 AR2219 AR2207 AR2219 AR2207 AR2219 AR2219 AR2219 AR2219 AR2219	Bullet Diam257" .257" .257" .257" .257" .257" .257" .257"	1.600" 1.600" 1.575" 1.575" 1.575" 1.600"	Twist: 1 Primer: Grs. 9.6 12.0 14.0 8.3 10.5 12.0 8.0 10.5 11.3 Case: W Twist: 1	Start load Velocity 1,854 fps 1,814 fps 1,799 fps 1,521 fps 1,523 fps 1,523 fps 1,576 fps 1,358 fps Vinchester 14" Winchester S	24,200 CUP 20,200 CUP 20,200 CUP 23,600 CUP 21,000 CUP 18,100 CUP 22,300 CUP 24,500 CUP 22,100 CUP	Grs. 10.2 14.2C 15.0C 9.3 12.8 13.5 8.6 11.5 12.0 Barrel le	Maximum I Velocity 1,962 fps 2,101 fps 1,900 fps 1,741 fps 1,877 fps 1,702 fps 1,545 fps 1,673 fps 1,517 fps ength: 24" gth: 1.271"	Pressure 26,700 CUP 25,800 CUP 25,700 CUP 27,900 CUP 27,300 CUP 26,700 CUP 26,500 CUP 26,500 CUP
NOTE: See Single Action Bullet 60 GR. HDY FP 75 GR. SPR FP 86 GR. REM SP	Powder AR2205 AR2207 AR2219 AR2207 AR2219 AR2207 AR2219 AR2207 AR2219 AR2219 AR2205 AR2219 AR2205 AR2219	Bullet Diam257" .257" .257" .257" .257" .257" .257" .257" .257" .257"	1.600" 1.600" 1.600" 1.575" 1.575" 1.600" 1.600"	Twist: 1 Primer: Grs. 9.6 12.0 14.0 8.3 10.5 12.0 8.0 10.5 11.3 Case: W Twist: 1 Primer:	Start load Velocity 1,854 fps 1,814 fps 1,799 fps 1,521 fps 1,523 fps 1,530 fps 1,5444 fps 1,576 fps 1,358 fps Vinchester :14" Winchester S Start load	ds Pressure 24,200 CUP 20,200 CUP 23,600 CUP 21,000 CUP 18,100 CUP 22,300 CUP 23,700 CUP 24,500 CUP 22,100 CUP	Grs. 10.2 14.2C 15.0C 9.3 12.8 13.5 8.6 11.5 12.0 Barrel le	Maximum I Velocity 1,962 fps 2,101 fps 1,900 fps 1,741 fps 1,877 fps 1,702 fps 1,545 fps 1,673 fps 1,517 fps ength: 24" gth: 1.271"	Pressure 26,700 CUP 25,800 CUP 25,700 CUP 27,900 CUP 27,300 CUP 26,700 CUP 26,700 CUP 26,500 CUP 26,300 CUP
NOTE: See Single Action Bullet 60 GR. HDY FP 75 GR. SPR FP 86 GR. REM SP 256 Winchester Ma	Powder AR2205 AR2207 AR2219 AR2207 AR2219 AR2207 AR2219 AR2205 AR2219 AR2219 AR2219 AR2219 AR2205 AR2219 AR2207 AR2219	Bullet Diam257" .257" .257" .257" .257" .257" .257" .257" .257" .257"	1.600" 1.600" 1.600" 1.575" 1.575" 1.600" 1.600" 1.600"	Twist: 1 Primer: Grs. 9.6 12.0 14.0 8.3 10.5 12.0 8.0 10.5 11.3 Case: W Twist: 1 Primer: Grs.	Start load Velocity 1,854 fps 1,814 fps 1,799 fps 1,521 fps 1,523 fps 1,523 fps 1,576 fps 1,358 fps Vinchester :14" Winchester S Start load Velocity	24,200 CUP 20,200 CUP 20,200 CUP 23,600 CUP 21,000 CUP 18,100 CUP 22,300 CUP 24,500 CUP 22,100 CUP	Grs. 10.2 14.2C 15.0C 9.3 12.8 13.5 8.6 11.5 12.0 Barrel le Trim len	Maximum I Velocity 1,962 fps 2,101 fps 1,900 fps 1,741 fps 1,877 fps 1,702 fps 1,673 fps 1,545 fps 1,517 fps ength: 24" gth: 1.271" Maximum I Velocity	Pressure 26,700 CUP 25,800 CUP 25,700 CUP 27,900 CUP 27,300 CUP 26,700 CUP 26,500 CUP 26,500 CUP
NOTE: See Single Action Bullet 60 GR. HDY FP 75 GR. SPR FP 86 GR. REM SP	Powder AR2205 AR2207 AR2219 AR2207 AR2219 AR2207 AR2219 AR2207 AR2219 AR2219 AR2205 AR2219 AR2205 AR2219	Bullet Diam257" .257" .257" .257" .257" .257" .257" .257" .257" .257"	1.600" 1.600" 1.600" 1.575" 1.575" 1.600" 1.600"	Twist: 1 Primer: Grs. 9.6 12.0 14.0 8.3 10.5 12.0 8.0 10.5 11.3 Case: W Twist: 1 Primer:	Start load Velocity 1,854 fps 1,814 fps 1,799 fps 1,521 fps 1,523 fps 1,530 fps 1,5444 fps 1,576 fps 1,358 fps Vinchester :14" Winchester S Start load	ds Pressure 24,200 CUP 20,200 CUP 23,600 CUP 21,000 CUP 18,100 CUP 22,300 CUP 23,700 CUP 24,500 CUP 22,100 CUP	Grs. 10.2 14.2C 15.0C 9.3 12.8 13.5 8.6 11.5 12.0 Barrel le	Maximum I Velocity 1,962 fps 2,101 fps 1,900 fps 1,741 fps 1,877 fps 1,702 fps 1,545 fps 1,673 fps 1,517 fps ength: 24" gth: 1.271"	Pressure 26,700 CUP 25,800 CUP 25,700 CUP 27,900 CUP 27,300 CUP 26,700 CUP 26,700 CUP 26,500 CUP 26,300 CUP

AR2207

.257"

1.775"

2,081 fps

15.0

2,192 fps

87 GR. HDY SP

				Case:			Barrel le	ngth: 20"	
25 Remington				Twist: -			Trim len	gth: -	
20 Kermington				Primer:					
					Start load	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
87 GR.	AR2207	-	-	-	-	-	21.0	2,500 fps	-
	AR2206	-	-	-	-	-	25.0	2,500 fps	-
	AR2208	-	-	-	-	-	26.0	2,500 fps	-
100 GR.	AR2207	-	-	-	-	-	20.0	2,200 fps	-
	AR2206	-	-	-	-	-	24.0	2,200 fps	-
	AR2208	-	-	-	-	-	26.0	2,200 fps	-
117 GR.	AR2207	-	-	-	-	-	18.5	2,000 fps	-
	AR2206	-	-	-	-	-	22.5	2,000 fps	-
	AR2208	-	-	-	-	-	23.5	2,000 fps	-
				Case: W	/inchester		Barrel le	ngth: 24"	
25-35 Winchester (2	25-35 WCF)			Twist: 1	:8"		Trim len	gth: 2.033"	
(Primer:	Winchester LI	R			
					Start load	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
	Powder AR2207	Bullet Diam. .257"	C.O.L. 2.300"	Grs. 20.0	Velocity 2,626 fps	Pressure 29,700 CUP	Grs. 21.7	Velocity 2,827 fps	
				-					36,100 CUF
	AR2207	.257"	2.300"	20.0	2,626 fps	29,700 CUP	21.7	2,827 fps	36,100 CUF 35,900 CUF
Bullet 60 GR. HDY JFP	AR2207 AR2219	.257"	2.300" 2.300"	20.0	2,626 fps 2,522 fps	29,700 CUP 27,700 CUP	21.7 24.5	2,827 fps 2,793 fps	36,100 CUF 35,900 CUF 36,600 CUF
	AR2207 AR2219 Bench Mark 2	.257" .257" .257"	2.300" 2.300" 2.300"	20.0 22.0 23.0	2,626 fps 2,522 fps 2,626 fps	29,700 CUP 27,700 CUP 29,700 CUP	21.7 24.5 25.7	2,827 fps 2,793 fps 2,867 fps	36,100 CUF 35,900 CUF 36,600 CUF 36,300 CUF
	AR2207 AR2219 Bench Mark 2 Bench Mark 8208	.257" .257" .257" .257"	2.300" 2.300" 2.300" 2.300"	20.0 22.0 23.0 25.0	2,626 fps 2,522 fps 2,626 fps 2,838 fps	29,700 CUP 27,700 CUP 29,700 CUP 34,500 CUP	21.7 24.5 25.7 27.5	2,827 fps 2,793 fps 2,867 fps 2,913 fps	36,100 CUP 35,900 CUP 36,600 CUP 36,300 CUP 36,200 CUP
	AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H	.257" .257" .257" .257" .257"	2.300" 2.300" 2.300" 2.300" 2.300"	20.0 22.0 23.0 25.0 26.0	2,626 fps 2,522 fps 2,626 fps 2,838 fps 2,796 fps	29,700 CUP 27,700 CUP 29,700 CUP 34,500 CUP 32,300 CUP	21.7 24.5 25.7 27.5 30.5C	2,827 fps 2,793 fps 2,867 fps 2,913 fps 3,014 fps	36,100 CUF 35,900 CUF 36,600 CUF 36,300 CUF 36,200 CUF
60 GR. HDY JFP	AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2208	.257" .257" .257" .257" .257" .257"	2.300" 2.300" 2.300" 2.300" 2.300" 2.300"	20.0 22.0 23.0 25.0 26.0 28.0	2,626 fps 2,522 fps 2,626 fps 2,838 fps 2,796 fps 2,677 fps	29,700 CUP 27,700 CUP 29,700 CUP 34,500 CUP 32,300 CUP 27,900 CUP	21.7 24.5 25.7 27.5 30.5C 31.5C	2,827 fps 2,793 fps 2,867 fps 2,913 fps 3,014 fps 2,972 fps	36,100 CUF 35,900 CUF 36,600 CUF 36,300 CUF 36,200 CUF 36,200 CUF
60 GR. HDY JFP	AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2208 AR2207	.257" .257" .257" .257" .257" .257" .257"	2.300" 2.300" 2.300" 2.300" 2.300" 2.300" 2.280"	20.0 22.0 23.0 25.0 26.0 28.0 19.0	2,626 fps 2,522 fps 2,626 fps 2,838 fps 2,796 fps 2,677 fps 2,422 fps	29,700 CUP 27,700 CUP 29,700 CUP 34,500 CUP 32,300 CUP 27,900 CUP 32,300 CUP	21.7 24.5 25.7 27.5 30.5C 31.5C 20.5	2,827 fps 2,793 fps 2,867 fps 2,913 fps 3,014 fps 2,972 fps 2,515 fps	36,100 CUP 35,900 CUP 36,300 CUP 36,200 CUP 36,200 CUP 35,500 CUP
60 GR. HDY JFP	AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2208 AR2207 AR2219	.257" .257" .257" .257" .257" .257" .257" .257" .257"	2.300" 2.300" 2.300" 2.300" 2.300" 2.300" 2.280"	20.0 22.0 23.0 25.0 26.0 28.0 19.0 21.0	2,626 fps 2,522 fps 2,626 fps 2,838 fps 2,796 fps 2,677 fps 2,422 fps 2,256 fps	29,700 CUP 27,700 CUP 29,700 CUP 34,500 CUP 32,300 CUP 27,900 CUP 32,300 CUP 25,900 CUP	21.7 24.5 25.7 27.5 30.5C 31.5C 20.5 23.5	2,827 fps 2,793 fps 2,867 fps 2,913 fps 3,014 fps 2,972 fps 2,515 fps 2,543 fps	36,100 CUF 35,900 CUF 36,600 CUF 36,300 CUF 36,200 CUF 35,500 CUF 35,900 CUF 36,400 CUF
60 GR. HDY JFP	AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2208 AR2207 AR2219 Bench Mark 2	.257" .257" .257" .257" .257" .257" .257" .257" .257" .257"	2.300" 2.300" 2.300" 2.300" 2.300" 2.300" 2.280" 2.280"	20.0 22.0 23.0 25.0 26.0 28.0 19.0 21.0	2,626 fps 2,522 fps 2,626 fps 2,838 fps 2,796 fps 2,677 fps 2,422 fps 2,256 fps 2,305 fps	29,700 CUP 27,700 CUP 29,700 CUP 34,500 CUP 32,300 CUP 27,900 CUP 32,300 CUP 25,900 CUP 28,600 CUP	21.7 24.5 25.7 27.5 30.5C 31.5C 20.5 23.5 23.0	2,827 fps 2,793 fps 2,867 fps 2,913 fps 3,014 fps 2,972 fps 2,515 fps 2,543 fps 2,502 fps	36,100 CUF 35,900 CUF 36,600 CUF 36,200 CUF 36,200 CUF 35,500 CUF 35,900 CUF 36,400 CUF
60 GR. HDY JFP	AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2208 AR2207 AR2219 Bench Mark 2 Bench Mark 8208	.257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257"	2.300" 2.300" 2.300" 2.300" 2.300" 2.300" 2.280" 2.280" 2.280"	20.0 22.0 23.0 25.0 26.0 28.0 19.0 21.0 23.0	2,626 fps 2,522 fps 2,626 fps 2,838 fps 2,796 fps 2,677 fps 2,422 fps 2,256 fps 2,305 fps 2,444 fps	29,700 CUP 27,700 CUP 29,700 CUP 34,500 CUP 32,300 CUP 27,900 CUP 25,900 CUP 28,600 CUP 29,200 CUP	21.7 24.5 25.7 27.5 30.5C 31.5C 20.5 23.5 23.0 25.7	2,827 fps 2,793 fps 2,867 fps 2,913 fps 3,014 fps 2,972 fps 2,515 fps 2,543 fps 2,502 fps 2,660 fps	36,100 CUF 35,900 CUF 36,600 CUF 36,200 CUF 36,200 CUF 35,500 CUF 35,900 CUF 36,400 CUF 34,200 CUF
60 GR. HDY JFP	AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2208 AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H	.257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257"	2.300" 2.300" 2.300" 2.300" 2.300" 2.300" 2.280" 2.280" 2.280" 2.280"	20.0 22.0 23.0 25.0 26.0 28.0 19.0 21.0 21.0 23.0 25.0	2,626 fps 2,522 fps 2,626 fps 2,838 fps 2,796 fps 2,677 fps 2,422 fps 2,256 fps 2,305 fps 2,444 fps 2,471 fps	29,700 CUP 27,700 CUP 29,700 CUP 34,500 CUP 32,300 CUP 27,900 CUP 25,900 CUP 28,600 CUP 29,200 CUP 32,000 CUP	21.7 24.5 25.7 27.5 30.5C 31.5C 20.5 23.5 23.0 25.7 27.4	2,827 fps 2,793 fps 2,867 fps 2,913 fps 3,014 fps 2,972 fps 2,515 fps 2,543 fps 2,502 fps 2,660 fps 2,689 fps	36,100 CUP 35,900 CUP 36,300 CUP 36,200 CUP 36,200 CUP 35,500 CUP 35,900 CUP 36,400 CUP 36,500 CUP 36,500 CUP
60 GR. HDY JFP 75 GR. SPR JFP	AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2208 AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2206H AR2208	.257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257"	2.300" 2.300" 2.300" 2.300" 2.300" 2.280" 2.280" 2.280" 2.280" 2.280"	20.0 22.0 23.0 25.0 26.0 28.0 19.0 21.0 23.0 25.0 26.5	2,626 fps 2,522 fps 2,626 fps 2,838 fps 2,796 fps 2,677 fps 2,422 fps 2,256 fps 2,305 fps 2,444 fps 2,471 fps 2,487 fps	29,700 CUP 27,700 CUP 29,700 CUP 34,500 CUP 32,300 CUP 27,900 CUP 25,900 CUP 28,600 CUP 29,200 CUP 32,000 CUP	21.7 24.5 25.7 27.5 30.5C 31.5C 20.5 23.5 23.0 25.7 27.4 29.0	2,827 fps 2,793 fps 2,867 fps 2,913 fps 3,014 fps 2,972 fps 2,515 fps 2,543 fps 2,502 fps 2,660 fps 2,689 fps 2,672 fps	36,100 CUF 35,900 CUF 36,600 CUF 36,200 CUF 36,200 CUF 35,500 CUF 35,500 CUF 36,400 CUF 36,500 CUF 36,300 CUF 34,000 CUF
60 GR. HDY JFP 75 GR. SPR JFP 90 GR. LFP W/GCK	AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2208 AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2206H AR2208 AR30N	.257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257"	2.300" 2.300" 2.300" 2.300" 2.300" 2.300" 2.280" 2.280" 2.280" 2.280" 2.280" 2.280" 2.280"	20.0 22.0 23.0 25.0 26.0 28.0 19.0 21.0 23.0 25.0 26.5 5.0	2,626 fps 2,522 fps 2,626 fps 2,838 fps 2,796 fps 2,677 fps 2,422 fps 2,256 fps 2,305 fps 2,444 fps 2,471 fps 2,487 fps 1,284 fps	29,700 CUP 27,700 CUP 29,700 CUP 34,500 CUP 32,300 CUP 27,900 CUP 25,900 CUP 28,600 CUP 29,200 CUP 29,200 CUP 29,800 CUP 29,800 CUP	21.7 24.5 25.7 27.5 30.5C 31.5C 20.5 23.5 23.0 25.7 27.4 29.0 6.0	2,827 fps 2,793 fps 2,867 fps 2,913 fps 3,014 fps 2,972 fps 2,515 fps 2,543 fps 2,502 fps 2,660 fps 2,689 fps 2,672 fps 1,344 fps	36,100 CUF 35,900 CUF 36,600 CUF 36,200 CUF 36,200 CUF 35,500 CUF 35,900 CUF 36,400 CUF 36,500 CUF 36,300 CUF 34,000 CUF
60 GR. HDY JFP 75 GR. SPR JFP 90 GR. LFP W/GCK	AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2208 AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2206H AR2208 AR30N Trail Boss	.257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257"	2.300" 2.300" 2.300" 2.300" 2.300" 2.280" 2.280" 2.280" 2.280" 2.280" 2.280" 2.280" 2.280" 2.280"	20.0 22.0 23.0 25.0 26.0 28.0 19.0 21.0 23.0 25.0 26.5 5.0 5.5	2,626 fps 2,522 fps 2,626 fps 2,838 fps 2,796 fps 2,677 fps 2,422 fps 2,256 fps 2,305 fps 2,444 fps 2,471 fps 2,487 fps 1,284 fps 1,224 fps	29,700 CUP 27,700 CUP 29,700 CUP 34,500 CUP 32,300 CUP 27,900 CUP 25,900 CUP 28,600 CUP 29,200 CUP 29,200 CUP 29,800 CUP 25,100 CUP 25,100 CUP	21.7 24.5 25.7 27.5 30.5C 31.5C 20.5 23.5 23.0 25.7 27.4 29.0 6.0 8.0	2,827 fps 2,793 fps 2,867 fps 2,913 fps 3,014 fps 2,972 fps 2,515 fps 2,543 fps 2,502 fps 2,660 fps 2,689 fps 2,672 fps 1,344 fps 1,414 fps	36,100 CUF 35,900 CUF 36,300 CUF 36,200 CUF 35,500 CUF 35,500 CUF 36,400 CUF 36,500 CUF 36,500 CUF 36,300 CUF 34,000 CUF 34,000 CUF 34,000 CUF
60 GR. HDY JFP 75 GR. SPR JFP 90 GR. LFP W/GCK	AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2208 AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2208 AR2206H AR2208 AR30N Trail Boss AR2207	.257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257"	2.300" 2.300" 2.300" 2.300" 2.300" 2.300" 2.280" 2.280" 2.280" 2.280" 2.280" 2.280" 2.280" 2.550"	20.0 22.0 23.0 25.0 26.0 28.0 19.0 21.0 23.0 25.0 26.5 5.0 5.5 16.8	2,626 fps 2,522 fps 2,626 fps 2,838 fps 2,796 fps 2,677 fps 2,422 fps 2,256 fps 2,305 fps 2,444 fps 2,471 fps 2,487 fps 1,284 fps 1,284 fps 1,889 fps	29,700 CUP 27,700 CUP 29,700 CUP 34,500 CUP 32,300 CUP 27,900 CUP 25,900 CUP 28,600 CUP 29,200 CUP 29,800 CUP 29,800 CUP 29,800 CUP 29,100 CUP 22,000 CUP	21.7 24.5 25.7 27.5 30.5C 31.5C 20.5 23.0 25.7 27.4 29.0 6.0 8.0 18.8	2,827 fps 2,793 fps 2,867 fps 2,913 fps 3,014 fps 2,972 fps 2,515 fps 2,543 fps 2,502 fps 2,660 fps 2,672 fps 1,344 fps 1,414 fps 2,065 fps	36,100 CUF 35,900 CUF 36,600 CUF 36,200 CUF 36,200 CUF 35,500 CUF 35,500 CUF 36,400 CUF 36,500 CUF 36,300 CUF 23,200 CUF 36,100 CUF 36,000 CUF
60 GR. HDY JFP 75 GR. SPR JFP 90 GR. LFP W/GCK	AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2208 AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2208 AR2206H AR2208 AR30N Trail Boss AR2207 AR2219	.257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257"	2.300" 2.300" 2.300" 2.300" 2.300" 2.300" 2.280" 2.280" 2.280" 2.280" 2.280" 2.280" 2.280" 2.550"	20.0 22.0 23.0 25.0 26.0 28.0 19.0 21.0 23.0 25.0 26.5 5.0 5.5 16.8 19.0	2,626 fps 2,522 fps 2,626 fps 2,626 fps 2,838 fps 2,796 fps 2,677 fps 2,422 fps 2,256 fps 2,305 fps 2,444 fps 2,447 fps 1,284 fps 1,284 fps 1,889 fps 1,916 fps	29,700 CUP 27,700 CUP 29,700 CUP 34,500 CUP 32,300 CUP 27,900 CUP 25,900 CUP 28,600 CUP 29,200 CUP 29,200 CUP 29,800 CUP 25,100 CUP 22,000 CUP 29,100 CUP 27,900 CUP	21.7 24.5 25.7 27.5 30.5C 31.5C 20.5 23.5 23.0 25.7 27.4 29.0 6.0 8.0 18.8 21.0	2,827 fps 2,793 fps 2,867 fps 2,913 fps 3,014 fps 2,972 fps 2,515 fps 2,543 fps 2,502 fps 2,660 fps 2,669 fps 2,672 fps 1,344 fps 1,414 fps 2,065 fps 2,127 fps	36,100 CUP 35,900 CUP 36,600 CUP 36,200 CUP 36,200 CUP 35,500 CUP 35,500 CUP 36,400 CUP 36,500 CUP 36,300 CUP 36,300 CUP 36,300 CUP 36,000 CUP 36,000 CUP
60 GR. HDY JFP 75 GR. SPR JFP	AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2208 AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206H AR2208 AR2206H AR2208 AR30N Trail Boss AR2207 AR2219 Bench Mark 2	.257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257" .257"	2.300" 2.300" 2.300" 2.300" 2.300" 2.300" 2.280" 2.280" 2.280" 2.280" 2.280" 2.280" 2.550" 2.550"	20.0 22.0 23.0 25.0 26.0 28.0 19.0 21.0 23.0 25.0 26.5 5.0 5.5 16.8 19.0	2,626 fps 2,522 fps 2,626 fps 2,626 fps 2,838 fps 2,796 fps 2,677 fps 2,422 fps 2,256 fps 2,305 fps 2,444 fps 2,471 fps 2,487 fps 1,284 fps 1,284 fps 1,889 fps 1,916 fps 1,902 fps	29,700 CUP 27,700 CUP 29,700 CUP 34,500 CUP 32,300 CUP 27,900 CUP 25,900 CUP 28,600 CUP 29,200 CUP 29,200 CUP 29,200 CUP 25,100 CUP 22,000 CUP 27,900 CUP 27,900 CUP	21.7 24.5 25.7 27.5 30.5C 31.5C 20.5 23.5 23.0 25.7 27.4 29.0 6.0 8.0 18.8 21.0 21.0	2,827 fps 2,793 fps 2,867 fps 2,913 fps 3,014 fps 2,972 fps 2,515 fps 2,543 fps 2,502 fps 2,660 fps 2,689 fps 2,672 fps 1,344 fps 1,414 fps 2,065 fps 2,063 fps	Pressure 36,100 CUP 35,900 CUP 36,600 CUP 36,200 CUP 36,200 CUP 35,500 CUP 35,500 CUP 36,400 CUP 36,500 CUP 36,300 CUP 36,300 CUP 36,300 CUP 36,000 CUP 36,000 CUP 35,700 CUP

					Remington			ength: 22"	
257 Kimber				Twist: 1	:10"		Trim len	gth: 1.820"	
				Primer:	CCI 400				
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
75 GR. HDY HP	AR2219	.257"	2.335"	27.0	2,806 fps	-	30.0	3,198 fps	-
	AR2206H	.257"	2.335"	28.0	2,756 fps	-	31.5	3,192 fps	-
87 GR. HDY SP	AR2219	.257"	2.375"	25.0	2,604 fps	-	28.0	2,868 fps	-
	AR2206H	.257"	2.375"	29.0	2,824 fps	-	31.0	3,056 fps	-
100 GR. SPR SP	AR2206H	.257"	2.390"	26.0	2,527 fps	-	28.0	2,760 fps	-
117 GR. SIE SPBT	AR2206H	.257"	2.455"	22.0	2,017 fps	-	24.0	2,223 fps	-
				Case: R	Remington		Barrel le	ength: 24"	
250-3000 Savage				Twist: 1	:10"		Trim len	gth: 1.902"	
				Primer:	Remington 9	1/2			
					Start loa			Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
75 GR. HDY V-MAX	Bench Mark 2	.257"	2.475"	31.0	2,981 fps	38,300 CUP	33.0	3,102 fps	43,900 CUP
	Bench Mark 8208	.257"	2.475"	34.0	3,103 fps	37,500 CUP	37.0	3,341 fps	43,200 CUP
	AR2206H	.257"	2.475"	34.0	3,088 fps	39,400 CUP	36.5	3,256 fps	43,500 CUP
	AR2208	.257"	2.475"	36.0	3,061 fps	36,700 CUP	38.5	3,254 fps	43,200 CUP
80 GR. BAR TTSX BT	Bench Mark 2	.257"	2.500"	32.0	2,949 fps	39,300 CUP	34.0	3,090 fps	43,700 CUP
	Bench Mark 8208	.257"	2.500"	32.0	2,868 fps	36,000 CUP	34.5	3,112 fps	43,100 CUP
	AR2206H	.257"	2.500"	33.0	2,963 fps	36,600 CUP	35.0	3,121 fps	42,800 CUP
	AR2208	.257"	2.500"	35.0	2,977 fps	38,300 CUP	37.3C	3,149 fps	43,500 CUP
85 GR. NOS BT	Bench Mark 2	.257"	2.500"	29.5	2,793 fps	38,200 CUP	31.5	2,943 fps	43,200 CUP
	Bench Mark 8208	.257"	2.500"	32.0	2,897 fps	34,600 CUP	35.3	3,162 fps	44,600 CUP
	AR2206H	.257"	2.500"	33.0	2,929 fps	38,100 CUP	35.0	3,084 fps	43,600 CUP
	AR2208	.257"	2.500"	34.0	2,854 fps	35,300 CUP	37.0	3,090 fps	43,500 CUP
87 GR. SPR SP	Bench Mark 2	.257"	2.450"	30.5	2,804 fps	39,000 CUP	32.5	2,937 fps	43,000 CUP
	Bench Mark 8208	.257"	2.450"	31.5	2,864 fps	35,300 CUP	35.0	3,103 fps	44,800 CUP
	AR2206H	.257"	2.450"	33.0	2,913 fps	39,100 CUP	35.5	3,068 fps	43,700 CUP
	AR2208	.257"	2.450"	35.0	2,947 fps	40,200 CUP	37.0	3,074 fps	43,200 CUP
90 GR. SIE HPBT	Bench Mark 2	.257"	2.425"	31.0	2,831 fps	39,200 CUP	33.0	2,965 fps	43,900 CUP
	Bench Mark 8208	.257"	2.425"	32.0	2,913 fps	38,100 CUP	35.0	3,002 fps	44,200 CUP
	AR2206H	.257"	2.425"	33.0	2,901 fps	39,000 CUP	35.5	3,060 fps	43,900 CUP
	AR2208	.257"	2.425"	34.0	2,860 fps	37,300 CUP	36.5	3,021 fps	43,300 CUP
100 GR. HDY SP	Bench Mark 8208	.257"	2.500"	30.0	2,687 fps	38,300 CUP	33.0	2,862 fps	44,200 CUP
	AR2206H	.257"	2.500"	31.0	2,698 fps	38,500 CUP	33.5	2,849 fps	43,600 CUP
	AR2208	.257"	2.500"	33.0	2,750 fps	40,000 CUP	35.2	2,877 fps	43,700 CUP
	AR2209	.257"	2.500"	38.0	2,773 fps	38,500 CUP	40.5C	2,936 fps	44,100 CUP
115 GR. NOS BT	Bench Mark 8208	.257"	2.525"	28.0	2,770 fps	39,000 CUP	31.0	2,614 fps	44,400 CUP
	AR2206H	.257"	2.525"	28.5	2,440 fps	38,400 CUP	30.5	2,567 fps	43,400 CUP
	AR2208	.257"	2.525"	30.5	2,494 fps	39,400 CUP	32.5	2,611 fps	43,500 CUP
	AR2209	.257"	2.525"	34.5	2,497 fps	36,800 CUP	36.8C	2,642 fps	43,400 CUP
117 GR. SIE SPBT	Bench Mark 8208	.257"	2.475"	27.5	2,429 fps	38,200 CUP	30.6	2,594 fps	45,000 CUP
	AR2206H	.257"	2.475"	28.5	2,447 fps	38,000 CUP	30.5	2,579 fps	43,800 CUP
	AR2208	.257"	2.475"	30.0	2,493 fps	41,100 CUP	32.0	2,594 fps	43,700 CUP
	AR2209	.257"	2.475"	35.0	2,518 fps	37,900 CUP	37.0C	2,637 fps	43,400 CUP
	AR2213SC	.257"	2.475"	38.0	2,453 fps	35,900 CUP	39.0C	2,519 fps	39,600 CUP
120 GR. SFT SP	Bench Mark 8208	.257"	2.525"	26.0	2,296 fps	35,000 CUP	28.8	2,480 fps	44,200 CUP

					Remington			ength: 24"	
250-3000 Sava	ge			Twist: 1	:10"		Trim ler	ngth: 1.902"	
				Primer:	Remington 9	1/2			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
	AR2206H	.257"	2.525"	27.5	2,331 fps	37,500 CUP	29.0	2,467 fps	43,400 CUI
	AR2208	.257"	2.525"	29.0	2,397 fps	37,200 CUP	31.0	2,508 fps	43,200 CUI
	AR2209	.257"	2.525"	33.5	2,443 fps	38,000 CUP	35.5	2,577 fps	43,300 CUI
	AR2213SC	.257"	2.525"	37.5	2,470 fps	39,100 CUP	39.0C	2,537 fps	42,200 CU
				Case:			Rarrol le	ength: 24"	
05 000				Twist: -			Trim ler	_	
25-303							111111101	igui	
				Primer:					
	T	T =			Start loa	1	_	Maximum I	1
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
87 GR.	AR2206	-	-	-	-	-	34.0	3,050 fps	-
	AR2208	-	-	-	-	-	37.0	3,050 fps	-
	AR2209	-	-	-	-	-	41.0	3,050 fps	-
100 GR.	AR2206	-	-	-	-	-	31.0	2,850 fps	-
	AR2208	-	-	-	-	-	33.5	2,850 fps	-
	AR2209	-	-	-	-	-	38.0	2,850 fps	-
117 GR.	AR2206	-	-	-	-	-	28.0	2,700 fps	-
	AR2208	-	-	-	-	-	31.0	2,700 fps	-
	AR2209	-	-	-	-	-	36.0	2,700 fps	-
				Case:			Barrel le	ength: 24"	
25-308				Twist: -			Trim ler	ngth: -	
				Primer:					
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
60 GR.	AR2206	-	-	-	-	-	45.0	3,700 fps	-
	AR2208	-	-	-	-	-	46.5	3,700 fps	-
	AR2209	-	-	-	-	-	51.0	3,700 fps	-
87 GR.	AR2206	-	-	-	-	-	41.0	3,200 fps	-
	AR2208	-	-	-	-	-	42.5	3,200 fps	-
	AR2209	-	-	-	-	-	47.5	3,200 fps	-
100 GR.	AR2208	-	-	-	-	-	40.5	3,000 fps	-
	AR2209	-	-	-	-	-	45.5	3,000 fps	-
120 GR.	AR2209	-	_	-	_	-	43.5	2,850 fps	_

Case: Remington Barrel length: 24" Twist: 1:10" Trim length: 2.223" 257 Roberts Primer: Remington 9 1/2 Start loads Maximum loads **Bullet** Powder Bullet Diam. C.O.L. Grs. Velocity Pressure Grs. Velocity Pressure 60 GR. HDY SP 2 535" 42,200 CUP 45,000 CUP Bench Mark 2 257' 41.0 3,453 fps 43.7 3,671 fps AR2206H 36,600 CUP 45,000 CUP 257" 2 535" 42.0 3,376 fps 46.0 3,805 fps AR2209 2 535" 48.0 36.200 CUP 51.0 3,612 fps 44,700 CUP .257 3,290 fps AR2213SC 2.535" 49.0 2,847 fps 23,700 CUP 53.0 33,600 CUP .257' 3,382 fps 75 GR. HDY HP Bench Mark 2 .257" 2.795" 39.0 3,226 fps 39,200 CUP 41.7 3,434 fps 45,000 CUP Bench Mark 8208 .257" 2.795" 40.5 3,390 fps 39.300 CUP 43.0 44,900 CUP 3,456 fps AR2206H 2.795" 40.5 3,201 fps 34,800 CUP 44.0 47,300 CUP .257 3,561 fps AR2208 .257" 2.795" 37.0 3,155 fps 34,700 CUP 41.0 3,453 fps 43,700 CUP AR2209 47.0 35,200 CUP 50.0 44,000 CUP .257' 2.795" 3,129 fps 3,422 fps 80 GR. BAR TTSX BT Bench Mark 2 .257" 2.780" 35.5 2,990 fps 36,900 CUP 39.5 3,285 fps 45,000 CUP Bench Mark 8208 2 780" 36.0 3,062 fps 38,400 CUP 39.8 44,700 CUP .257 3,284 fps AR2206H 2 780" 370 3,090 fps 38,800 CUP 40.8 44,600 CUP 257" 3,281 fps 3,287 fps 45,000 CUP 37,500 CUP AR2208 2.780" 39.0 3,061 fps 43.0 .257 AR2209 .257" 2.780" 44.0 2,999 fps 36,000 CUP 48.5 3,290 fps 45,000 CUP 90 GR. HDY GMX Bench Mark 8208 .257 2.880" 33.0 2,739 fps 38,300 CUP 36.3 2,927 fps 44,100 CUP AR2206H .257" 2.880" 33.0 2,739 fps 37,700 CUP 36.5 2,943 fps 44,800 CUP AR2208 .257" 2.880" 35.0 2,788 fps 39,100 CUP 38.0 2,968 fps 44,600 CUP AR2209 36,000 CUP 44,200 CUP .257 2.880" 38.0 2,729 fps 42.0 2,968 fps AR2213SC 257' 2 880" 400 2,645 fps 35.200 CUP 44.5 2,925 fps 44,600 CUP 90 GR. SIE HPBT Bench Mark 8208 257' 2.775" 394 3,129 fps 40,200 CUP 420 3,314 fps 46,800 CUP 33.600 CUP AR2206H 2.775" 38.5 2,954 fps 42.0 3,372 fps 47.600 CUP .257 3,269 fps AR2208 .257" 2.775" 36.0 2,990 fps 36,300 CUP 40.0 44,900 CUP AR2209 257' 2 775" 44 0 2,890 fps 36,100 CUP 46.0 3,040 fps 43,700 CUP AR2213SC .257" 2.775" 48.0 2,786 fps 27,600 CUP 52.0 3,236 fps 39,500 CUP 100 GR, SPR SPBT Bench Mark 8208 .257" 2.770" 37.1 2,991 fps 39,400 CUP 39.5 3,085 fps 44,700 CUP AR2206H .257" 2.770" 35.0 2,661 fps 30,600 CUP 38.0 2,990 fps 46,100 CUP 34.0 38.0 AR2208 257' 2.770" 34,400 CUP 44,900 CUP 2,724 fps 2,981 fps AR2209 34,200 CUP 45.0 45,400 CUP .257" 2.770" 43.0 2,833 fps 2,970 fps AR2213SC .257' 2.770" 45.0 2,660 fps 29,100 CUP 49.0 3,010 fps 44,100 CUP 115 GR. NOS PART 2,707 fps Bench Mark 8208 2.780" 34.8 39.200 CUP 37.0 45.000 CUP 257" 2 798 fps AR2206H .257" 2.780" 33.0 2,433 fps 31,200 CUP 36.0 2,702 fps 45,100 CUP AR2208 2.780" 31.0 34,300 CUP 2,701 fps 44,900 CUP .257" 2,462 fps 35.0 AR2209 .257" 2.780" 41.0 2,660 fps 40,600 CUP 43.0 2,777 fps 44,400 CUP

AR2213SC

.257"

2.780"

43.0

2,479 fps

30,400 CUP

46.0

2,760 fps

46,000 CUP

257 Roberts Improv	red			Case: Twist: - Primer:			Barrel le	ength: 24" ngth: -		
					Start loa	ds		Maximum I	oads	
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure	
60 GR.	AR2206	_	-	-	-	-	49.0	3,650 fps	-	
	AR2208	-	_	_	-	-	50.0	3,650 fps	-	
	AR2209	-	-	-	-	-	53.5	3,650 fps	-	
75 GR.	AR2206	-	-	_	-	-	48.0	3,500 fps	-	
	AR2208	-	-	-	-	-	49.0	3,500 fps	-	
	AR2209	-	-	-	-	-	52.5	3,500 fps	-	
87-90 GR.	AR2206	-	-	-	-	-	45.5	3,300 fps	-	
	AR2208	-	-	-	-	-	46.5	3,300 fps	-	
	AR2209	-	-	-	-	-	51.0	3,300 fps	-	
100 GR.	AR2206	-	-	_	-	-	42.0	3,100 fps	-	
	AR2208	-	-	-	-	-	43.5	3,100 fps	-	
	AR2209	-	-	-	-	-	48.0	3,100 fps	-	
117-120 GR.	AR2208	-	-	-	-	-	41.5	2,900 fps	-	
	AR2209	-	_	_	-	-	46.0	2,900 fps	-	
					F 1 1 1 1			4 000		
					/inchester (ref	omea)		ength: 26"		
25-284				Twist: 1	:10"		i rim ien	ngth: 2.160"		
				Primer:	Winchester L	R				
					Start loa	ds		Maximum I	oads	
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure	
75 GR. HDY HP	AR2209	.257"	2.795"	48.0	3,429 fps	-	52.0	3,640 fps	-	
	AR2213SC	.257"	2.795"	53.5	3,330 fps	-	58.0	3,604 fps	-	
87 GR. SIE SP	AR2209	.257"	2.795"	46.0	3,180 fps	-	50.0	3,400 fps	-	
	AR2213SC	.257"	2.795"	52.5	3,347 fps	-	57.0	3,544 fps	-	
100 GR. SPR SP	AR2209	.257"	2.795"	43.0	2,860 fps	-	48.0	3,129 fps	-	
	AR2213SC	.257"	2.795"	49.5	3,068 fps	-	54.0	3,369 fps	-	
117 GR. HDY BTSP	AR2213SC	.257"	2.775"	48.0	2,882 fps	-	52.0	3,025 fps	-	
120 GR. NOS PART	AR2209	.257"	2.795"				440	2.016 foo	Ì	
			2.733	41.0	2,642 fps	-	44.0	2,916 fps	-	
	AR2213SC	.257"	2.795"	41.0	2,642 fps 2,871 fps	-	49.0	2,916 lps 2,978 fps	-	
	AR2213SC			45.0	2,871 fps	-	49.0	2,978 fps	-	
25.06 Reminaton	AR2213SC			45.0	2,871 fps emington	-	49.0	2,978 fps ength: 24"	-	
25-06 Remington	AR2213SC			45.0 Case: R Twist: 1	2,871 fps demington :10"		49.0	2,978 fps	-	
25-06 Remington	AR2213SC			45.0 Case: R Twist: 1	2,871 fps emington :10" Remington 9	1/2	49.0	2,978 fps ength: 24" egth: 2.484"		
		.257"	2.795"	45.0 Case: R Twist: 1 Primer:	2,871 fps emington :10" Remington 9	1/2 ds	49.0 Barrel le Trim len	2,978 fps ength: 24" egth: 2.484"	oads	
Bullet	Powder	.257" Bullet Diam.	2.795" C.O.L.	45.0 Case: R Twist: 1 Primer: Grs.	2,871 fps emington :10" Remington 9 Start load	1/2 ds Pressure	49.0 Barrel le Trim len Grs.	2,978 fps ength: 24" egth: 2.484" Maximum I	oads Pressure	
Bullet	Powder AR2206H	.257" Bullet Diam257"	2.795" C.O.L. 3.100"	45.0 Case: R Twist: 1 Primer: Grs. 45.0	2,871 fps emington :10" Remington 9 Start loa Velocity 3,474 fps	1/2 ds Pressure 45,000 CUP	49.0 Barrel let Trim len Grs. 48.5	2,978 fps ength: 24" egth: 2.484" Maximum I Velocity 3,642 fps	oads Pressure 50,800 CU	
Bullet	Powder AR2206H AR2208	257" Bullet Diam. 257" 257"	2.795" C.O.L. 3.100" 3.100"	45.0 Case: R Twist: 1 Primer: Grs. 45.0 46.0	2,871 fps emington :10" Remington 9 Start loa: Velocity 3,474 fps 3,454 fps	1/2 ds Pressure 45,000 CUP 43,400 CUP	49.0 Barrel le Trim len Grs. 48.5 49.7	2,978 fps ength: 24" egth: 2.484" Maximum I Velocity 3,642 fps 3,660 fps	oads Pressure 50,800 CU 51,200 CU	
Bullet	Powder AR2206H AR2208 AR2209	.257" Bullet Diam257" .257" .257"	2.795" C.O.L. 3.100" 3.100"	45.0 Case: R Twist: 1 Primer: Grs. 45.0 46.0 54.0	2,871 fps emington :10" Remington 9 Start loar Velocity 3,474 fps 3,454 fps 3,460 fps	1/2 ds Pressure 45,000 CUP 43,400 CUP 43,300 CUP	49.0 Barrel le Trim len Grs. 48.5 49.7 58.5	2,978 fps ength: 24" egth: 2.484" Maximum I Velocity 3,642 fps 3,660 fps 3,700 fps	0ads Pressure 50,800 CU 51,200 CU 50,900 CU	
	Powder AR2206H AR2208 AR2209 AR2213SC	.257" Bullet Diam257" .257" .257" .257"	2.795" C.O.L. 3.100" 3.100" 3.100"	45.0 Case: R Twist: 1 Primer: Grs. 45.0 46.0 54.0 58.0	2,871 fps emington :10" Remington 9 Start loa Velocity 3,474 fps 3,454 fps 3,460 fps 3,393 fps	1/2 ds Pressure 45,000 CUP 43,400 CUP 41,800 CUP	49.0 Barrel le Trim len Grs. 48.5 49.7 58.5 62.0C	2,978 fps ength: 24" egth: 2.484" Maximum I Velocity 3,642 fps 3,660 fps 3,700 fps 3,599 fps	oads Pressure 50,800 CU 51,200 CU 50,900 CU 49,300 CU	
Bullet 75 GR. HDY V-MAX	Powder AR2206H AR2208 AR2209 AR2213SC AR2217	257" Bullet Diam. 257" 257" 257" 257" 257"	2.795" C.O.L. 3.100" 3.100" 3.100" 3.100"	45.0 Case: R Twist: 1 Primer: Grs. 45.0 46.0 54.0 58.0	2,871 fps emington :10" Remington 9 Start loa Velocity 3,474 fps 3,454 fps 3,460 fps 3,393 fps 3,135 fps	1/2 ds Pressure 45,000 CUP 43,400 CUP 43,300 CUP 41,800 CUP 35,300 CUP	49.0 Barrel le Trim len Grs. 48.5 49.7 58.5 62.0C 62.0C	2,978 fps ength: 24" egth: 2.484" Maximum I Velocity 3,642 fps 3,660 fps 3,700 fps 3,599 fps 3,339 fps	50,800 CU 51,200 CU 50,900 CU 49,300 CU 40,000 CU	
Bullet 75 GR. HDY V-MAX	Powder AR2206H AR2208 AR2209 AR2213SC AR2217 AR2206H	.257" Bullet Diam257" .257" .257" .257" .257" .257"	2.795" C.O.L. 3.100" 3.100" 3.100" 3.100" 3.075"	45.0 Case: R Twist: 1 Primer: 45.0 46.0 54.0 58.0 43.0	2,871 fps emington :10" Remington 9 Start loa Velocity 3,474 fps 3,454 fps 3,460 fps 3,393 fps 3,135 fps 3,408 fps	1/2 ds Pressure 45,000 CUP 43,400 CUP 43,300 CUP 41,800 CUP 35,300 CUP 52,100 PSI	49.0 Barrel le Trim len Grs. 48.5 49.7 58.5 62.0C 62.0C 47.5	2,978 fps ength: 24" egth: 2.484" Maximum I Velocity 3,642 fps 3,660 fps 3,700 fps 3,599 fps 3,339 fps 3,630 fps	50,800 CU 51,200 CU 50,900 CU 49,300 CU 40,000 CU 61,500 PS	
Bullet 75 GR. HDY V-MAX	Powder AR2206H AR2208 AR2209 AR2213SC AR2217 AR2206H AR2208	257" Bullet Diam. 257" 257" 257" 257" 257" 257" 257"	2.795" C.O.L. 3.100" 3.100" 3.100" 3.100" 3.075" 3.075"	45.0 Case: R Twist: 1 Primer: 45.0 46.0 54.0 58.0 43.0 45.0	2,871 fps emington :10" Remington 9 Start loa Velocity 3,474 fps 3,454 fps 3,460 fps 3,393 fps 3,135 fps 3,408 fps 3,389 fps	1/2 ds Pressure 45,000 CUP 43,400 CUP 43,300 CUP 41,800 CUP 35,300 CUP 52,100 PSI 51,800 PSI	49.0 Barrel le Trim len Grs. 48.5 49.7 58.5 62.0C 62.0C 47.5 49.0	2,978 fps ength: 24" egth: 2.484" Maximum I Velocity 3,642 fps 3,660 fps 3,700 fps 3,599 fps 3,339 fps 3,630 fps 3,613 fps	50,800 CU 51,200 CU 50,900 CU 49,300 CU 40,000 CU 61,500 PS	
Bullet 75 GR. HDY V-MAX 80 GR. BAR TTSX BT	Powder AR2206H AR2208 AR2209 AR2213SC AR2217 AR2206H AR2208 AR2209	257" Bullet Diam. 257" 257" 257" 257" 257" 257" 257" 257"	2.795" C.O.L. 3.100" 3.100" 3.100" 3.100" 3.075" 3.075"	45.0 Case: R Twist: 1 Primer: Grs. 45.0 46.0 58.0 58.0 43.0 45.0 51.0	2,871 fps emington :10" Remington 9 Start loa Velocity 3,474 fps 3,454 fps 3,460 fps 3,393 fps 3,135 fps 3,408 fps 3,389 fps 3,347 fps	1/2 ds Pressure 45,000 CUP 43,400 CUP 43,300 CUP 41,800 CUP 35,300 CUP 52,100 PSI 51,800 PSI 48,500 PSI	49.0 Barrel le Trim len Grs. 48.5 49.7 58.5 62.0C 62.0C 47.5 49.0 55.0C	2,978 fps ength: 24" egth: 2.484" Maximum I Velocity 3,642 fps 3,660 fps 3,700 fps 3,599 fps 3,339 fps 3,630 fps 3,613 fps 3,560 fps	50,800 CU 51,200 CU 50,900 CU 49,300 CU 40,000 CU 61,500 PS 56,900 PS	
Bullet 75 GR. HDY V-MAX	Powder AR2206H AR2208 AR2209 AR2213SC AR2217 AR2206H AR2208	257" Bullet Diam. 257" 257" 257" 257" 257" 257" 257"	2.795" C.O.L. 3.100" 3.100" 3.100" 3.100" 3.075" 3.075"	45.0 Case: R Twist: 1 Primer: 45.0 46.0 54.0 58.0 43.0 45.0	2,871 fps emington :10" Remington 9 Start loa Velocity 3,474 fps 3,454 fps 3,460 fps 3,393 fps 3,135 fps 3,408 fps 3,389 fps	1/2 ds Pressure 45,000 CUP 43,400 CUP 43,300 CUP 41,800 CUP 35,300 CUP 52,100 PSI 51,800 PSI	49.0 Barrel le Trim len Grs. 48.5 49.7 58.5 62.0C 62.0C 47.5 49.0	2,978 fps ength: 24" egth: 2.484" Maximum I Velocity 3,642 fps 3,660 fps 3,700 fps 3,599 fps 3,339 fps 3,630 fps 3,613 fps	50,800 CU 51,200 CU 50,900 CU 49,300 CU 40,000 CU 61,500 PS	

Case: Remington Barrel length: 24" Twist: 1:10" Trim length: 2.484" 25-06 Remington Primer: Remington 9 1/2 Start loads Maximum loads **Bullet** Powder Bullet Diam. C.O.L. Grs. Velocity **Pressure** Grs. Velocity Pressure AR2213SC 3.230" 257" 3,302 fps 46,000 CUP 58.0 51,700 CUP 54.0 3,473 fps AR2217 41,000 CUP 48,100 CUP 257' 3 230" 58.0 3,218 fps 62 OC 3,442 fps 87 GR. SPR HP AR2206H 3.115" 43.0 3,243 fps 47,700 CUP 45.5 3,364 fps 51,600 CUP .257" AR2208 3.115" 43.0 3,231 fps 44,900 CUP 3,382 fps 50,500 CUP .257' 46.0 AR2209 .257" 3.115" 50.0 3,234 fps 45,600 CUP 54.5 3,409 fps 50,800 CUP AR2213SC 257' 3 115" 56.0 3,232 fps 43 500 CUP 60.0 3,421 fps 50 500 CUP AR2217 58.0 3,176 fps 36,200 CUP 62.0C 3,296 fps 43,700 CUP .257" 3.115" 90 GR. HDY GMX AR2206H .257" 3.115" 39.0 3,053 fps 50,800 PSI 43.0 3,281 fps 60,200 PSI 58,800 PSI AR2208 .257" 3.115" 41.0 3,098 fps 51,600 PSI 44.0 3,261 fps AR2209 257' 3.115" 45.0 3,117 fps 51,300 PSI 49.5 3,344 fps 60.600 PSI AR2213SC 3.115" 50.0 3,205 fps 56,200 PSI 54.5C .257 3,363 fps 61,000 PSI AR2217 3 115" 56.0 54 900 PSI 60.0C 257' 3.248 fps 3.377 fps 59 300 PSI 51,000 PSI 58,700 PSI AR2225 .257' 3.115" 56.0 3,250 fps 60.0C 3,432 fps 90 GR. SIE HPBT AR2206H .257 3.100" 41.0 3,128 fps 44,100 CUP 44.0 51,000 CUP 3.257 fps AR2208 .257" 3.100" 42.0 3,165 fps 45,000 CUP 45.0 3,312 fps 50,400 CUP AR2209 .257" 3.100" 49.0 3,191 fps 44,000 CUP 53.0 3,370 fps 50,700 CUP AR2213SC .257" 3.100" 54.0 3,213 fps 46,000 CUP 58.0 3,481 fps 50,400 CUP 58.0 40,300 CUP 47,500 CUP AR2217 .257 3.100" 3,142 fps 62.0C 3,330 fps 100 GR, NOS PART 257" 25,500 PSI 19.2 30,600 PSI Trail Boss 3 200" 13.4 1,454 fps 1,712 fps AR2206H 257' 3 200" 40.0 2,921 fps 44,200 CUP 430 3,072 fps 51,000 CUP 3.200" 41.0 2,974 fps 45,600 CUP 44.0 51,400 CUP AR2208 .257" 3,125 fps 3,155 fps AR2209 .257 3.200" 47.0 3,038 fps 47,800 CUP 50.0 51,500 CUP AR2213SC .257' 3.200" 51.0 3,025 fps 46,800 CUP 54.3 3,172 fps 51,400 CUP .257 3.200" 56.0 44,600 CUP 59.7C 50,700 CUP AR2217 3,055 fps 3,212 fps 117 GR. HDY SPBT AR2206H .257" 3.165" 37.0 2,641 fps 44,500 CUP 40.0 2,797 fps 50,600 CUP AR2208 .257" 3.165" 37.0 2,637 fps 42,900 CUP 41.0 2,838 fps 50,100 CUP AR2209 257' 3.165" 44 0 2,737 fps 44,300 CUP 47.7 50,800 CUP 2,923 fps AR2213SC 2,748 fps 3.165" 48.0 43,000 CUP 52.0 50,900 CUP .257 2,937 fps AR2217 .257 3.165" 55.0 2,936 fps 47,200 CUP 58.5C 3,046 fps 51,000 CUP .257" 3.165" 56.0 44.600 CUP 60.5C 3.079 fps 50.700 CUP AR2225 2 876 fps 120 GR. SFT SP 45,400 CUP AR2206H .257" 3.150" 37.0 2,541 fps 40.0 2,694 fps 51,700 CUP AR2208 .257 3.150" 38.0 2,584 fps 45,100 CUP 41.0 2,755 fps 51,900 CUP AR2209 .257" 3.150" 44.0 2,643 fps 42,900 CUP 47.5 50,900 CUP 2,816 fps AR2213SC .257" 3.150" 48.0 2,705 fps 45,800 CUP 51.5 2,856 fps 51,200 CUP 52.0 55.5 AR2217 .257" 3.150" 2,772 fps 44,900 CUP 2,902 fps 50,600 CUP

56.0

3.150"

.257

2,806 fps

43,700 CUP

60.0C

2,991 fps

50,300 CUP

AR2225

Case: Winchester Barrel length: 24" Twist: 1:10" Trim length: 1.660" 25 Winchester Super Short Magnum Primer: Winchester LR Start loads Maximum loads **Bullet** Powder Bullet Diam. C.O.L. Grs. Velocity **Pressure** Grs. Velocity **Pressure** 75 GR. HDY V-MAX 40.0 Bench Mark 8208 257" 2.350" 3,341 fps 47,200 PSI 45.0 3,687 fps 62,700 PSI AR2206H 257" 2 350" 42.0 3,473 fps 49,700 PSI 45.2 3,708 fps 61,800 PSI AR2208 2.350" 43.0 3,437 fps 49,700 PSI 46.5 62,200 PSI .257 3,677 fps 85 GR. NOS BT Bench Mark 8208 .257" 2.350" 38.0 3,174 fps 48,900 PSI 42.4 62,600 PSI 3,456 fps AR2206H .257 2.350" 40.0 3,268 fps 50,700 PSI 43.3 3,475 fps 62,100 PSI AR2208 .257" 2.350" 40.0 3,180 fps 46,200 PSI 44.9 62,200 PSI 3,497 fps 87 GR. SIE SP Bench Mark 8208 .257" 38.0 3,152 fps 49,500 PSI 62,100 PSI 2.300" 42.7 3,423 fps AR2206H .257" 2.300" 40.0 3,271 fps 53,000 PSI 43.3 3,456 fps 62,300 PSI AR2208 40.0 49,800 PSI 62,600 PSI .257" 2.300" 3,189 fps 44.0 3,431 fps 100 GR. SPR BT Bench Mark 8208 .257" 2.300" 36.0 2,954 fps 51,200 PSI 40.0 3,166 fps 62,100 PSI AR2206H 2.300" 38.0 3,042 fps 50,500 PSI 41.5 3,243 fps 61,700 PSI .257 AR2208 39.0 50,000 PSI 428 62,700 PSI .257" 2 300" 3,022 fps 3,248 fps AR2209 45.0 51,400 PSI 61,300 PSI 2.300" 3,035 fps 48.5C 3,233 fps .257 115 GR. NOS BT Bench Mark 8208 .257" 2.350" 33.0 2,648 fps 51,000 PSI 37.0 2,877 fps 63,000 PSI AR2206H .257 2.350" 34.0 2,658 fps 51,600 PSI 37.0 2,830 fps 62,200 PSI AR2208 .257" 2.350" 36.0 2,726 fps 53,700 PSI 38.7 2,871 fps 62,600 PSI AR2209 .257" 2.350" 42.0 2,806 fps 52,800 PSI 45.3C 2,999 fps 63,000 PSI AR2213SC .257" 2.350" 44.0 2,733 fps 52,100 PSI 47.0C 2,883 fps 60,900 PSI 117 GR. HDY BTSP Bench Mark 8208 .257 2 335" 33.0 2,629 fps 49.200 PSI 36.7 2,851 fps 61,700 PSI AR2206H 257" 2 335" 35.0 2,723 fps 53,800 PSI 37.5 2,858 fps 62,200 PSI AR2208 2.335" 36.0 2,725 fps 52,700 PSI 39.0 62,200 PSI .257 2.888 fps AR2209 .257" 2.335" 42.0 2,796 fps 52,300 PSI 45.0 2,965 fps 62,300 PSI AR2213SC 257 2.335" 44.0 2,731 fps 51,100 PSI 47.5C 2,901 fps 61,300 PSI 120 GR. SFT SP Bench Mark 8208 .257" 2.330" 32.0 2,542 fps 48,300 PSI 36.3 2,800 fps 62,900 PSI AR2206H .257" 2.330" 35.0 2,700 fps 53,300 PSI 37.7 2,840 fps 61,700 PSI AR2208 .257" 2.330" 36.0 2,702 fps 53,200 PSI 39.0 2,878 fps 63,500 PSI 45.5C 2,793 fps AR2209 2 330" 42 0 51,000 PSI 62,400 PSI 257 2,981 fps AR2213SC .257" 2.330" 45.0 51,600 PSI 48.0C 61,100 PSI 2,744 fps 2,902 fps

257 Weatherby Magnum

Case: Weatherby
Twist: 1:10"

Barrel length: 26" Trim length: 2.535"

Primer: Federal 215

				Primer.	receial 215				
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
75 GR. HDY V-MAX	AR2209	.257"	3.250"	65.0	3,715 fps	43,100 CUP	70.0	3,905 fps	51,800 CUP
	AR2213SC	.257"	3.250"	71.0	3,652 fps	45,200 CUP	75.0	3,841 fps	51,900 CUP
	AR2217	.257"	3.250"	76.0	3,517 fps	37,700 CUP	80.0C	3,649 fps	42,000 CUP
85 GR. NOS BT	AR2209	.257"	3.250"	63.0	3,544 fps	44,400 CUP	67.0	3,739 fps	51,600 CUP
	AR2213SC	.257"	3.250"	68.0	3,498 fps	45,000 CUP	72.0	3,664 fps	52,200 CUP
	AR2217	.257"	3.250"	76.0	3,548 fps	44,600 CUP	80.0C	3,665 fps	47,900 CUP
90 GR. SIE HPBT	AR2209	.257"	3.150"	62.5	3,524 fps	46,600 CUP	66.5	3,685 fps	52,400 CUP
	AR2213SC	.257"	3.150"	67.0	3,420 fps	44,400 CUP	71.0	3,611 fps	52,500 CUP
	AR2217	.257"	3.150"	76.0	3,494 fps	43,800 CUP	80.0C	3,671 fps	50,000 CUP
100 GR. SPR SPBT	AR2209	.257"	3.200"	59.0	3,312 fps	44,900 CUP	63.0	3,500 fps	52,400 CUP
	AR2213SC	.257"	3.200"	64.0	3,312 fps	45,800 CUP	68.0	3,462 fps	52,500 CUP
	AR2217	.257"	3.200"	73.0	3,410 fps	45,800 CUP	78.0	3,575 fps	52,400 CUP

Γ				1					
					Veatherby			ength: 26"	
257 Weatherby Mag	gnum			Twist: 1			i rim ien	igth: 2.535"	
				Primer:	Federal 215		1		
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
115 GR. BAR XFB	AR2209	.257"	3.250"	56.0	2,988 fps	46,900 CUP	60.0	3,188 fps	52,500 CUP
	AR2213SC	.257"	3.250"	60.0	3,030 fps	46,200 CUP	64.0	3,170 fps	52,000 CUP
	AR2217	.257"	3.250"	67.0	3,147 fps	50,000 CUP	71.0	3,265 fps	52,700 CUP
117 GR. HDY SPBT	AR2209	.257"	3.220"	57.0	3,112 fps	46,000 CUP	60.5	3,266 fps	52,000 CUP
	AR2213SC	.257"	3.220"	62.0	3,099 fps	44,800 CUP	66.0	3,252 fps	52,300 CUP
	AR2217	.257"	3.220"	70.0	3,169 fps	45,200 CUP	74.0	3,321 fps	51,800 CUP
120 GR. SFT SP	AR2209	.257"	3.220"	56.0	3,000 fps	44,400 CUP	60.0	3,189 fps	51,800 CUP
	AR2213SC	.257"	3.220"	61.0	3,013 fps	44,600 CUP	65.0	3,184 fps	51,800 CUP
	AR2217	.257"	3.220"	69.0	3,103 fps	45,700 CUP	73.0	3,256 fps	51,800 CUP
				Case: L	apua		Barrel le	ength: 24"	
6.5mm Grendel				Twist: 1	:9"		Trim len	gth: 1.515"	
olonian Gronadi				Primer:	Federal 205N	1			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
85 GR. SIE HP	AR2207	.264"	2.240"	24.5	2,674 fps	38,500 PSI	27.2C	2,919 fps	49,500 PSI
	AR2219	.264"	2.240"	27.0	2,625 fps	36,600 PSI	30.1C	2,927 fps	49,400 PSI
90 GR. SPR TNT HP	AR2207	.264"	2.200"	24.0	2,594 fps	36,800 PSI	26.8C	2,854 fps	49,400 PSI
	AR2219	.264"	2.200"	26.5	2,534 fps	34,600 PSI	29.5C	2,863 fps	49,500 PSI
	Bench Mark 2	.264"	2.200"	28.5	2,662 fps	37,700 PSI	30.5C	2,870 fps	47,000 PSI
	Bench Mark 8208	.264"	2.220"	29.0	2,580 fps	34,700 PSI	31.0C	2,794 fps	42,400 PSI
95 GR. HDY V-MAX	AR2207	.264"	2.230"	23.0	2,483 fps	36,600 PSI	25.8C	2,750 fps	49,300 PSI
	AR2219	.264"	2.230"	26.0	2,477 fps	35,900 PSI	28.8C	2,768 fps	49,300 PSI
	Bench Mark 2	.264"	2.230"	27.0	2,476 fps	33,900 PSI	30.0C	2,807 fps	49,700 PSI
	Bench Mark 8208	.264"	2.230"	28.0	2,527 fps	35,600 PSI	31.0C	2,840 fps	49,600 PSI
100 GR. NOS BT	AR2207	.264"	2.200"	23.0	2,414 fps	36,800 PSI	25.6C	2,666 fps	49,800 PSI
	AR2219	.264"	2.200"	26.0	2,420 fps	36,700 PSI	29.0C	2,716 fps	49,800 PSI
	Bench Mark 2	.264"	2.200"	27.0	2,460 fps	36,300 PSI	29.9C	2,739 fps	49,900 PSI
	Bench Mark 8208	.264"	2.200"	29.0	2,542 fps	38,300 PSI	30.8C	2,732 fps	47,600 PSI
107 GR. SIE HPBT	AR2207	.264"	2.250"	22.0	2,324 fps	37,000 PSI	24.8	2,576 fps	49,900 PSI
	AR2219	.264"	2.250"	25.0	2,325 fps	35,900 PSI	27.7C	2,607 fps	49,800 PSI
	Bench Mark 2	.264"	2.250"	26.0	2,355 fps	34,800 PSI	29.0C	2,653 fps	49,600 PSI
	Bench Mark 8208	.264"	2.250"	27.0	2,356 fps	34,600 PSI	29.8C	2,667 fps	49,300 PSI
120 GR. BAR TSX	AR2207	.264"	2.200"	20.5	2,074 fps	41,000 PSI	22.9C	2,272 fps	49,700 PSI
	AR2219	.264"	2.200"	23.0	2,074 fps	37,700 PSI	25.8C	2,347 fps	50,000 PSI
	Bench Mark 2	.264"	2.200"	24.5	2,133 fps	36,900 PSI	27.3	2,401 fps	50,200 PSI
	Bench Mark 8208	.264"	2.200"	25.0	2,094 fps	34,600 PSI	28.0C	2,419 fps	50,000 PSI
123 GR. SIE HPBT	AR2207	.264"	2.250"	21.0	2,153 fps	37,700 PSI	23.7C	2,375 fps	50,000 PSI
	AR2219	.264"	2.250"	24.0	2,192 fps	36,600 PSI	26.6C	2,434 fps	49,900 PSI
	Bench Mark 2	.264"	2.250"	25.0	2,225 fps	36,900 PSI	27.5C	2,460 fps	49,900 PSI
	Bench Mark 8208	.264"	2.250"	25.5	2,180 fps	33,900 PSI	28.5C	2,497 fps	50,000 PSI

Case: Remington (reformed) Barrel length: 24" Twist: 1:8" Trim length: 1.510" **6.5mm BR** Primer: Remington 7 1/2 Start loads Maximum loads **Bullet** Powder Bullet Diam. C.O.L. Grs. Velocity **Pressure** Grs. Velocity **Pressure** 90 GR. SPR TNT HP AR2219 264" 2.140" 290 2,749 fps 39.400 CUP 31.0 2,919 fps 49.100 CUP Bench Mark 2 264" 2 140" 29.7 2,807 fps 42,300 CUP 317 49,100 CUP 2,953 fps Bench Mark 8208 2 140" 31.0 39.800 CUP 33.2C 3,017 fps 46.500 CUP 264" 2,799 fps AR2206H .264" 2.140" 31.0 35,800 CUP 33.0C 44,100 CUP 2,714 fps 2,923 fps AR2208 .264" 2.140" 31.0 2,670 fps 35,400 CUP 33.0C 2,835 fps 41,500 CUP 95 GR. HDY V-MAX AR2219 .264" 2.220" 28.8 40.300 CUP 50,000 CUP 2,722 fps 30.7 2,894 fps Bench Mark 2 2,740 fps 43,200 CUP 49,000 CUP .264" 2.220" 29.0 31.0 2,871 fps Bench Mark 8208 .264" 2.220" 30.0 2,725 fps 38,700 CUP 33.0C 2,992 fps 50,100 CUP AR2206H 40,000 CUP .264" 2.220" 31.0 2,774 fps 33.0C 2,946 fps 48,500 CUP AR2208 .264" 2.220" 31.0 2,698 fps 40,000 CUP 33.0C 2,843 fps 45,900 CUP 100 GR NOS BT AR2219 264" 2 220" 28.0 2,601 fps 39,400 CUP 297 50,200 CUP 2,772 fps Bench Mark 2 264" 28.3 41,700 CUP 30.2 2,748 fps 49,400 CUP 2 220" 2.584 fps Bench Mark 8208 .264" 2.220" 29.0 2,624 fps 38,400 CUP 32.0C 2,887 fps 50.000 CUP AR2206H .264" 2.220" 31.0 2,702 fps 41,700 CUP 33.0C 2,878 fps 49,100 CUP AR2208 264" 2.220" 31.0 2,635 fps 39,600 CUP 33.0C 2,797 fps 48,700 CUP 107 GR. SIE HPBT AR2219 .264" 2.340" 27.2 2,563 fps 39,100 CUP 29.0 2,738 fps 49,800 CUP Bench Mark 2 .264" 2.340" 27.8 2,587 fps 40,200 CUP 29.6 2,741 fps 49,400 CUP Bench Mark 8208 .264" 2.340" 28.0 2,532 fps 37,600 CUP 31.3 2,817 fps 49,500 CUP AR2206H 264" 2 340" 298 2,623 fps 38 900 CUP 31.8C 2,811 fps 47.900 CUP AR2208 264" 2 340" 30.5 2,658 fps 41.800 CUP 32.5C 2,798 fps 48.500 CUP 120 GR. NOS BT AR2219 2,549 fps .264" 2.250" 26.7 2,403 fps 40.800 CUP 28.5 49.500 CUP 2,569 fps Bench Mark 2 .264" 2.250" 27.2 2,445 fps 43,800 CUP 29.0 50,000 CUP Bench Mark 8208 264" 2 250" 27 0 2,375 fps 37,500 CUP 2,623 fps 50,200 CUP AR2206H .264" 2.250" 29.0 2,475 fps 41,300 CUP 31.0C 2,624 fps 47,700 CUP AR2208 .264" 2.250" 29.0 2,409 fps 39,400 CUP 31.0C 2,542 fps 45,100 CUP 129 GR. HDY SP AR2219 264" 2 280" 26.0 2,293 fps 44,500 CUP 27.7 2,417 fps 49,200 CUP .264" Bench Mark 2 43,800 CUP 49,600 CUP 2 280" 26.3 2,285 fps 28.0 2,411 fps Bench Mark 8208 2.280" 49,600 CUP .264" 27.0 2,314 fps 39,100 CUP 29.8 2,514 fps AR2206H .264" 2.280" 28.4 2,378 fps 44,200 CUP 30.3C 2,502 fps 49,400 CUP AR2208 29.0 2,371 fps 44.200 CUP 49.900 CUP 264" 2 280" 31 0C 2 494 fps 140 GR. SPR SP AR2219 .264" 2.300" 25.0 2,199 fps 43,900 CUP 26.7 2,299 fps 50,200 CUP Bench Mark 2 44,200 CUP 49,800 CUP .264" 2.300" 26.3 2,233 fps 28.0 2,362 fps 2,186 fps Bench Mark 8208 .264" 2.300" 26.0 39,200 CUP 50,300 CUP 28.8 2.391 fps AR2206H 264" 2 300" 28.2 2,298 fps 44,200 CUP 30.0C 2,421 fps 49,000 CUP 30.2C AR2208 264" 2.300" 28.3 2,278 fps 42.100 CUP 2,415 fps 49.000 CUP .264" 142 GR. SIE HPBT AR2219 2.350" 24.5 44,200 CUP 49,400 CUP 2,199 fps 26.1 2,293 fps Bench Mark 2 .264" 2.350" 45.500 CUP 49.900 CUP 25.2 2.232 fps 26.9 2.326 fps Bench Mark 8208 .264" 2.350" 26.0 2,231 fps 40 000 CUP 288 2,426 fps 49 800 CUP AR2206H .264" 2.350" 27.3 2,271 fps 41,900 CUP 49,300 CUP 29.0 2.395 fps

AR2208

.264"

2.350"

27.9

2,250 fps

40,900 CUP

29.7C

2,396 fps

49,600 CUP

				Case: N	loma		Parrol Id	ength: 32"	
0.5 - 50 1				Twist: 1				ngth: 1.998"	
6.5 x 50mm Japane	ese				Federal 210		Hilline	igui. 1.990	
				Primer.					
D. II 4		D # 45*	001	_	Start loa			Maximum I	
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
100 GR. SIE SP	AR2206H	.264"	2.700"	35.0	2,408 fps	-	37.0	2,717 fps	-
	AR2213SC	.264"	2.700"	39.0	2,350 fps	-	41.0	2,424 fps	-
120 GR. SPR SP	AR2206H	.264"	2.920"	33.0	2,368 fps	-	35.0	2,505 fps	-
	AR2213SC	.264"	2.920"	39.0	2,300 fps	-	41.0	2,429 fps	-
140 GR. NOS PART	AR2206H	.264"	2.920"	32.0	2,186 fps	-	34.0	2,407 fps	-
	AR2213SC	.264"	2.920"	38.0	2,222 fps	-	41.0	2,392 fps	-
160 GR. HDY RN	AR2206H	.264"	2.855"	30.0	2,118 fps	-	32.0	2,334 fps	-
	AR2213SC	.264"	2.855"	36.0	2,201 fps	-	38.0	2,393 fps	-
				Case: N	loma		Barrel le	ength: 21"	
6.5mm Carcano (6.	.5 x 52mm)			Twist: 1	:-		Trim ler	ngth: 2.057"	
(0.	,			Primer:	Federal 210				
					Start load	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
100 GR. HDY SP	AR2206H	.264"	2.835"	31.0	2,204 fps	-	33.0	2,394 fps	-
	AR2213SC	.264"	2.835"	40.0	2,189 fps	-	43.0	2,414 fps	_
120 GR. HDY SP	AR2206H	.264"	2.835"	28.0	1,959 fps	-	30.0	2,147 fps	-
	AR2213SC	.264"	2.835"	38.0	2,019 fps	-	41.0	2,224 fps	_
140 GR. NOS PART	AR2206H	.264"	2.900"	28.0	1,904 fps	_	30.0	2,089 fps	-
	AR2213SC	.264"	2.900"	37.0	1,919 fps	-	40.0	2,192 fps	_
160 GR. HDY RN	AR2206H	.264"	2.935"	27.0	1,804 fps	_	30.0	1,992 fps	-
	AR2213SC	.264"	2.935"	37.0	1,891 fps	-	39.0	2,086 fps	-
					,			4 000	
				Case:				ength: 20"	
6.5 x 54mm Mause	r			Twist: -			Trim ler	igth: -	
				Primer:			_		
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
120-125 GR.	AR2208	-	-	-	-	-	35.0	2,500 fps	-
	AR2206	-	-	-	-	-	33.0	2,500 fps	-
140 GR.	AR2206	-	-	-	-	-	30.0	2,200 fps	-
	AR2208	-	-	-	-	-	32.0	2,200 fps	-
				Case:			Barrel le	ength: 18"	
6 5 x 54mm (Manni	licher-Schoenauer)			Twist: -			Trim ler	•	
O.O X O-HIIII (IMGIIII	ilorioi Goriocriador,			Primer:				-	
						40		Maximum I	nodo.
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Start load	Pressure	Grs.	Velocity	Pressure
100 GR.	AR2206	- Bullet Diam.	C.O.L.	GIS.	velocity	FICOSUIE	38.0	2,800 fps	FICOSUIC
IOU OIL	AR2208	-	-	_	_	-	40.0	2,800 fps	-
120 GR.	AR2206	-	-	-	-		36.5	2,700 fps	-
120 GIV.	AR2208	-	-	-	-	-	38.5	2,700 lps 2,700 fps	-
	AR2208 AR2209	-	-	-	_	-	42.5	2,700 fps	-
129-130 GR.	AR2209		-	-	-	-	35.5	2,700 lps	-
120-100 GIV.	AR2208	-	-	-	-	-	37.5	2,500 fps	-
	AR2209	-	-	-	-	-	41.5	2,500 fps	-

				Case:			Barrel le	ngth: 18"	
6.5 x 54mm (Mannlid	cher-Schoenauer)			Twist: -			Trim len	gth: -	
•	,			Primer:					
					Start load	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
140 GR.	AR2206	-	-	-	-	-	33.5	2,350 fps	-
	AR2208	-	_	-	-	-	35.5	2,350 fps	-
	AR2209	-	-	-	-	-	39.5	2,350 fps	-
160 GR.	AR2206	-	_	-	-	-	31.5	2,100 fps	_
	AR2208	-	-	-	-	-	33.5	2,100 fps	-
	AR2209	-	-	-	-	-	37.5	2,100 fps	-
							- ·	41 0411	
				Case: H	•			ngth: 24"	
6.5 Creedmoor				Twist: 1	:8"		i rim len	gth: 1.910"	
				Primer:	Federal 210N	1			
					Start loa	ds		oads	
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
95 GR. HDY V-MAX	Bench Mark 8208	.264"	2.670"	36.0	3,041 fps	50,800 PSI	40.0	3,228 fps	58,900 PS
	AR2206H	.264"	2.670"	37.0	3,059 fps	50,400 PSI	41.0	3,276 fps	60,300 PS
	AR2208	.264"	2.670"	39.0	3,051 fps	49,000 PSI	43.0	3,286 fps	60,100 P
	AR2209	.264"	2.670"	43.0	2,972 fps	45,000 PSI	47.0C	3,224 fps	56,100 P
100 GR. BAR TTSX BT	Bench Mark 8208	.264"	2.655"	33.2	2,812 fps	49,300 PSI	37.4	3,056 fps	60,900 P
	AR2206H	.264"	2.655"	33.1	2,819 fps	49,100 PSI	37.3	3,063 fps	61,000 P
	AR2208	.264"	2.655"	34.8	2,867 fps	50,700 PSI	39.0	3,101 fps	62,100 P
	AR2209	.264"	2.655"	39.9	2,895 fps	49,200 PSI	44.7	3,133 fps	60,300 P
100 GR. NOS BT	Bench Mark 8208	.264"	2.760"	34.0	2,850 fps	48,700 PSI	38.0	3,087 fps	60,000 PS
	AR2206H	.264"	2.760"	35.0	2,878 fps	49,400 PSI	38.5	3,097 fps	59,300 P
	AR2208	.264"	2.760"	36.5	2,888 fps	48,900 PSI	40.5	3,122 fps	60,300 P
	AR2209	.264"	2.760"	40.5	2,905 fps	48,500 PSI	45.0C	3,156 fps	59,800 P
107 GR. SIE HPBT	Bench Mark 8208	.264"	2.780"	34.0	2,812 fps	48,900 PSI	37.8	3,027 fps	59,700 P
	AR2206H	.264"	2.780"	35.0	2,846 fps	49,400 PSI	39.0	3,073 fps	60,900 PS
	AR2208	.264"	2.780"	37.0	2,863 fps	48,600 PSI	41.0	3,093 fps	60,200 PS
	AR2209	.264"	2.780"	41.0	2,829 fps	45,300 PSI	46.0C	3,139 fps	60,900 PS
120 GR. HDY A-MAX	Bench Mark 8208	.264"	2.670"	32.0	2,564 fps	45,800 PSI	36.0	2,818 fps	60,300 PS
	AR2206H	.264"	2.670"	34.0	2,672 fps	50,500 PSI	37.4	2,858 fps	60,400 PS
	AR2208	.264"	2.670"	36.0	2,668 fps	49,600 PSI	40.2	2,891 fps	60,400 PS
	AR2209	.264"	2.670"	40.5	2,709 fps	47,700 PSI	45.0C	2,965 fps	60,800 P
123 GR. SIE HPBT	Bench Mark 8208	.264"	2.670"	32.0	2,570 fps	46,100 PSI	36.0	2,806 fps	59,000 PS
	AR2208	.264"	2.670"	36.0	2,712 fps	51,100 PSI	39.8	2,887 fps	59,200 P
	AR2209	.264"	2.670"	40.0	2,680 fps	45,500 PSI	44.8	2,951 fps	59,700 P
130 GR. NOS AB	Bench Mark 8208	.264"	2.750"	30.5	2,378 fps	49,700 PSI	34.0	2,589 fps	61,200 P
	AR2206H	.264"	2.750"	30.1	2,361 fps	48,500 PSI	33.8	2,583 fps	61,200 P
	AR2208	.264"	2.750"	31.4	2,414 fps	51,500 PSI	34.9	2,610 fps	61,400 P
	AR2209	.264"	2.750"	35.2	2,464 fps	49,300 PSI	39.2	2,687 fps	60,400 P
140 GR. HDY A-MAX	Bench Mark 8208	.264"	2.820"	30.0	2,335 fps	49,200 PSI	32.8	2,511 fps	59,300 P
	AR2206H	.264"	2.820"	30.0	2,316 fps	46,800 PSI	34.0	2,555 fps	60,400 P
	AR2208	.264"	2.820"	32.0	2,371 fps	47,400 PSI	35.8	2,598 fps	59,900 P
	AR2209	.264"	2.820"	36.0	2,464 fps	49,200 PSI	40.0C	2,660 fps	59,200 P
142 GR. SIE HPBT	Bench Mark 8208	.264"	2.780"	32.2	2,431 fps	51,500 PSI	33.5	2,518 fps	58,000 P
	AR2206H	.264"	2.780"	32.4	2,426 fps	49,800 PSI	34.5	2,551 fps	58,000 P
		.264"		l .	2,489 fps	52,600 PSI	36.3	2,598 fps	60,100 P

6.5 Creedmoor				Case: H	•	1		ength: 24" ngth: 1.910"	
				Filliet.	Start loa			Maximum l	anda
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
Dullet	AR2209	.264"	2.780"	38.8	2,573 fps	52,300 PSI	41.5	2,694 fps	59,800 PSI
	74 CZ03	.201	2.700	30.0	2,070100	32,3001 01	41.0	2,00+100	33,0001 01
					Remington			ength: 24"	
260 Remington				Twist: 1	:9"		Trim len	igth: 2.025"	
				Primer:	Remington 9	1/2			
					Start load	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
95 GR. HDY V-MAX	Bench Mark 2	.264"	2.780"	40.0	3,190 fps	51,400 PSI	43.5	3,391 fps	59,600 PSI
	Bench Mark 8208	.264"	2.780"	37.6	3,038 fps	51,900 PSI	40.0	3,166 fps	58,200 PSI
95 GR.	AR2206	-	-	37.0	3,045 fps	51,200 PSI	39.5	3,225 fps	58,400 PSI
95 GR. HDY V-MAX	AR2206H	.264"	2.780"	38.0	3,069 fps	51,300 PSI	40.8	3,225 fps	58,500 PSI
	AR2208	.264"	2.780"	39.0	3,070 fps	50,200 PSI	42.0	3,244 fps	58,500 PSI
	AR2209	.264"	2.780"	47.0	3,135 fps	51,200 PSI	49.7	3,284 fps	58,100 PSI
100 GR. BAR XFB	Bench Mark 2	.264"	2.750"	38.0	2,981 fps	50,700 PSI	41.0	3,171 fps	59,900 PSI
100 GR.	AR2206	-	-	33.0	2,790 fps	51,150 PSI	37.0	3,055 fps	58,750 PSI
100 GR. BAR XFB	AR2206H	.264"	2.750"	35.0	2,810 fps	51,300 PSI	38.0	2,974 fps	58,800 PSI
	AR2208	.264"	2.750"	36.5	2,861 fps	52,000 PSI	39.5	3,027 fps	58,900 PSI
	AR2209	.264"	2.750"	42.0	2,946 fps	52,900 PSI	45.0	3,077 fps	58,200 PSI
	AR2213SC	.264"	2.750"	46.0	2,925 fps	52,800 PSI	48.8C	3,055 fps	58,600 PSI
107 GR. SIE HPBT	Bench Mark 2	.264"	2.780"	40.0	3,158 fps	50,900 PSI	42.5	3,227 fps	59,500 PSI
	Bench Mark 8208	.264"	2.780"	37.2	2,900 fps	52,300 PSI	39.1	3,001 fps	57,900 PSI
107 GR.	AR2206	-	-	37.0	2,945 fps	51,800 PSI	39.5	3,055 fps	58,200 PSI
107 GR. SIE HPBT	AR2206H	.264"	2.780"	38.0	2,950 fps	51,900 PSI	40.7	3,074 fps	58,000 PSI
	AR2208	.264"	2.780"	38.5	2,947 fps	49,800 PSI	41.5	3,125 fps	58,700 PSI
	AR2209	.264"	2.780"	46.0	2,997 fps	50,400 PSI	49.0	3,164 fps	58,700 PSI
	AR2213SC	.264"	2.780"	50.0	2,963 fps	50,300 PSI	51.0C	3,027 fps	54,000 PSI
120 GR. SPR SP	Bench Mark 2	.264"	2.780"	37.0	2,768 fps	51,200 PSI	40.0	2,935 fps	59,500 PSI
120 GR.	AR2206	-	-	34.3	2,555 fps	51,700 PSI	37.0	2,795 fps	58,750 PSI
120 GR. SPR SP	AR2206H	.264"	2.780"	35.0	2,664 fps	51,900 PSI	38.0	2,813 fps	58,900 PSI
	AR2208	.264"	2.780"	36.0	2,716 fps	50,300 PSI	39.0	2,877 fps	58,300 PSI
	AR2209	.264"	2.780"	43.5	2,814 fps	51,400 PSI	46.5	2,960 fps	58,200 PSI
	AR2213SC	.264"	2.780"	47.0	2,812 fps	52,100 PSI	50.0C	2,954 fps	59,200 PSI
	AR2217	.264"	2.780"	49.0	2,710 fps	44,600 PSI	51.0C	2,810 fps	49,300 PSI
125 GR.	AR2206	-	-	33.2	2,615 fps	54,150 PSI	36.2	2,735 fps	58,800 PSI
125 GR. NOS PART	AR2206H	.264"	2.780"	34.0	2,623 fps	54,300 PSI	37.0	2,743 fps	58,900 PSI
	AR2208	.264"	2.780"	34.5	2,624 fps	51,200 PSI	37.5	2,785 fps	58,400 PSI
	AR2209	.264"	2.780"	41.0	2,714 fps	50,900 PSI	44.3	2,867 fps	57,900 PSI
	AR2213SC	.264"	2.780"	45.0	2,725 fps	51,600 PSI	48.0C	2,862 fps	58,000 PSI
	AR2217	.264"	2.780"	48.0	2,685 fps	46,300 PSI	51.0C	2,821 fps	53,300 PSI
140 GR.	AR2206	-	-	31.3	2,350 fps	50,500 PSI	33.5	2,510 fps	58,400 PSI
140 GR. NOS PART	AR2206H	.264"	2.780"	32.0	2,367 fps	50,500 PSI	34.3	2,517 fps	58,400 PSI
	AR2208	.264"	2.780"	34.0	2,469 fps	53,300 PSI	36.0	2,578 fps	59,400 PSI
	AR2209	.264"	2.780"	39.0	2,530 fps	51,900 PSI	42.0	2,677 fps	58,800 PSI
	AR2213SC	.264"	2.780"	43.0	2,568 fps	53,000 PSI	45.7	2,686 fps	59,000 PSI
	AR2217	.264"	2.780"	48.0	2,619 fps	51,200 PSI	50.5	2,730 fps	57,000 PSI
142 GR.	AR2206	-	-	33.3	2,480 fps	52,000 PSI	35.4	2,590 fps	58,200 PSI
C = Compressed Load		l	1	1	1	, - -	1	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	,

								4. 04.	
					temington			ength: 24"	
260 Remington				Twist: 1	:9"		Trim len	gth: 2.025"	
				Primer:	Remington 9	1/2			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
142 GR. SIE HPBT	AR2206H	.264"	2.780"	34.0	2,486 fps	52,000 PSI	36.2	2,597 fps	58,200 PSI
	AR2208	.264"	2.780"	35.0	2,541 fps	54,000 PSI	37.5	2,645 fps	59,100 PSI
	AR2209	.264"	2.780"	41.5	2,590 fps	50,100 PSI	44.5	2,735 fps	58,000 PSI
	AR2213SC	.264"	2.780"	45.0	2,601 fps	50,900 PSI	48.0C	2,747 fps	58,700 PSI
160 GR. HDY RN	AR2209	.264"	2.860"	40.0	2,417 fps	52,100 PSI	43.0	2,538 fps	58,200 PSI
	AR2213SC	.264"	2.860"	43.0	2,419 fps	50,900 PSI	46.0	2,540 fps	58,100 PSI
	AR2217	.264"	2.860"	48.0	2,498 fps	50,500 PSI	50.0C	2,595 fps	56,400 PSI
				Case: V	/inchester		Barrel le	ength: 24"	
C F v FFmana Curadi	ah Marraan			Twist: 1				gth: 2.155"	
6.5 x 55mm Swedi	sn Mauser					5		gui. 2.100	
				rnmer:	Winchester LI		I		
		T -	Ι -		Start load	1		Maximum I	ı
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
85 GR. SIE HP	AR2206H	.264"	2.800"	40.0	3,031 fps	34,600 CUP	44.0	3,370 fps	45,100 CUP
	AR2208	.264"	2.800"	40.0	3,128 fps	36,600 CUP	44.0	3,350 fps	42,300 CUP
	AR2209	.264"	2.800"	47.0	2,909 fps	31,600 CUP	52.0C	3,283 fps	42,100 CUP
100 GR. SIE HP	AR2206H	.264"	2.850"	37.0	2,820 fps	38,800 CUP	41.0	3,033 fps	46,000 CUP
	AR2208	.264"	2.850"	38.0	2,892 fps	37,800 CUP	42.0	3,177 fps	45,800 CUP
	AR2209	.264"	2.850"	45.0	2,724 fps	31,400 CUP	50.0C	3,172 fps	46,000 CUP
	AR2213SC	.264"	2.850"	46.0	2,552 fps	27,800 CUP	51.0C	2,883 fps	37,500 CUP
107 GR. SIE HPBT	AR2206H	.264"	3.050"	37.0	2,777 fps	39,600 CUP	39.7	2,943 fps	45,900 CUP
	AR2208	.264"	3.050"	38.0	2,742 fps	39,800 CUP	42.0	2,952 fps	45,600 CUP
	AR2209	.264"	3.050"	43.0	2,706 fps	36,000 CUP	48.0C	3,035 fps	45,600 CUP
	AR2213SC	.264"	3.050"	46.0	2,590 fps	34,500 CUP	51.0C	2,911 fps	42,700 CUP
120 GR. NOS BT	AR2206H	.264"	3.000"	34.0	2,571 fps	43,000 CUP	37.8	2,715 fps	46,000 CUP
	AR2208	.264"	3.000"	35.0	2,579 fps	36,800 CUP	39.0	2,812 fps	45,300 CUP
	AR2209	.264"	3.000"	41.5	2,545 fps	36,800 CUP	46.0	2,792 fps	45,800 CUP
	AR2213SC	.264"	3.000"	44.5	2,528 fps	36,200 CUP	49.5C	2,802 fps	45,900 CUP
129 GR. HDY SP	AR2206H	.264"	2.935"	33.0	2,373 fps	38,200 CUP	36.3	2,561 fps	45,600 CUP
	AR2208	.264"	2.935"	34.0	2,472 fps	36,900 CUP	37.5	2,664 fps	46,000 CUP
	AR2209	.264"	2.935"	40.0	2,430 fps	35,100 CUP	45.5	2,703 fps	45,500 CUP
	AR2213SC	.264"	2.935"	44.0	2,449 fps	35,600 CUP	48.5C	2,689 fps	45,000 CUP
140 GR. SPR SP	AR2206H	.264"	3.030"	32.5	2,305 fps	38,100 CUP	35.8	2,493 fps	45,700 CUP
	AR2208	.264"	3.030"	32.5	2,312 fps	37,500 CUP	36.0	2,528 fps	46,000 CUP
	AR2209	.264"	3.030"	39.5	2,418 fps	38,600 CUP	44.0	2,617 fps	45,700 CUP
	AR2213SC	.264"	3.030"	42.5	2,382 fps	38,100 CUP	47.0	2,586 fps	45,700 CUP
	AR2217	.264"	3.030"	46.5	2,423 fps	37,600 CUP	51.5C	2,651 fps	46,000 CUP
142 GR. SIE HPBT	AR2206H	.264"	3.050"	32.5	2,311 fps	37,800 CUP	35.8	2,511 fps	45,800 CUP
	AR2208	.264"	3.050"	34.0	2,334 fps	38,100 CUP	38.0	2,559 fps	45,700 CUP
	AR2209	.264"	3.050"	39.0	2,427 fps	38,400 CUP	43.7	2,653 fps	45,800 CUP
	AR2213SC	.264"	3.050"	42.5	2,383 fps	37,300 CUP	47.0	2,604 fps	45,300 CUP
	AR2217	.264"	3.050"	48.0	2,453 fps	37,500 CUP	51.5C	2,601 fps	41,600 CUP
160 GR. HDY RN	AR2208	.264"	3.000"	32.5	2,173 fps	38,200 CUP	36.0	2,354 fps	45,600 CUP
	AR2209	.264"	3.000"	40.0	2,317 fps	38,800 CUP	43.0	2,445 fps	44,900 CUP
	AR2213SC	.264"	3.000"	44.0	2,327 fps	36,600 CUP	48.0C	2,524 fps	46,000 CUP

				Case: V	Vinchester		Barrel le	ength: 24"	
6.5 x 55mm Swedis	sh Mauser			Twist: 1	:7.87"		Trim len	gth: 2.155"	
0.0 X 0011111 Owedis	i i i i i i i i i i i i i i i i i i i			Primer:	Winchester L	R			
					Start loa			Maximum I	nade
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
Builot	AR2217	.264"	3.000"	45.0	2,265 fps	35,000 CUP	50.0C	2,517 fps	45,300 CUP
	,		0.000			,		, ,	.0,000
					Vinchester (ref	omed)		ength: 24"	
6.5mm-06				Twist: 1	:9"		Trim len	gth: 2.484"	
				Primer:	Federal 210N	1			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
85 GR. SIE HP	AR2206H	.264"	3.140"	43.0	3,245 fps	49,900 PSI	46.5	3,442 fps	60,600 PSI
	AR2208	.264"	3.140"	48.0	3,453 fps	58,400 PSI	52.0	3,588 fps	62,500 PSI
	AR2209	.264"	3.140"	53.0	3,336 fps	52,300 PSI	57.5	3,574 fps	62,300 PSI
95 GR. HDY V-MAX	AR2206H	.264"	3.200"	43.0	3,209 fps	55,400 PSI	46.0	3,359 fps	63,000 PSI
	AR2208	.264"	3.200"	44.0	3,167 fps	51,600 PSI	49.0	3,414 fps	63,100 PSI
	AR2209	.264"	3.200"	50.0	3,204 fps	52,100 PSI	54.5	3,436 fps	63,300 PSI
100 GR. NOS BT	AR2206H	.264"	3.200"	42.0	3,083 fps	56,400 PSI	44.0	3,205 fps	62,900 PSI
	AR2208	.264"	3.200"	43.0	3,070 fps	53,000 PSI	47.0	3,268 fps	63,300 PSI
	AR2209	.264"	3.200"	49.0	3,119 fps	53,800 PSI	53.0	3,315 fps	63,300 PSI
	AR2213SC	.264"	3.200"	53.0	3,085 fps	53,200 PSI	57.7	3,304 fps	63,400 PSI
107 GR. SIE HPBT	AR2208	.264"	3.300"	42.0	2,993 fps	52,700 PSI	45.8	3,185 fps	62,700 PSI
	AR2209	.264"	3.300"	47.0	3,022 fps	52,600 PSI	51.5	3,234 fps	62,700 PSI
	AR2213SC	.264"	3.300"	51.0	2,985 fps	51,800 PSI	55.5	3,200 fps	62,500 PSI
	AR2217	.264"	3.300"	56.0	2,945 fps	49,300 PSI	60.0C	3,141 fps	58,700 PSI
120 GR. SFT SP	AR2209	.264"	3.150"	45.0	2,823 fps	54,300 PSI	49.0	2,996 fps	63,300 PSI
	AR2213SC	.264"	3.150"	48.0	2,765 fps	51,400 PSI	52.5	2,970 fps	62,300 PSI
	AR2217	.264"	3.150"	55.0	2,837 fps	53,900 PSI	58.5C	2,986 fps	62,700 PSI
129 GR. HDY SP	AR2209	.264"	3.245"	43.0	2,676 fps	51,400 PSI	47.0	2,876 fps	62,500 PSI
	AR2213SC	.264"	3.245"	47.0	2,721 fps	54,100 PSI	51.0	2,889 fps	62,900 PSI
	AR2217	.264"	3.245"	51.0	2,683 fps	53,800 PSI	55.5C	2,885 fps	62,700 PSI
130 GR. NOS AB	AR2209	.264"	3.265"	42.1	2,615 fps	51,300 PSI	46.7	2,821 fps	61,500 PSI
	AR2213SC	.264"	3.265"	44.0	2,638 fps	54,700 PSI	48.8	2,824 fps	62,300 PSI
	AR2217	.264"	3.265"	47.7	2,670 fps	51,400 PSI	53.0	2,880 fps	61,600 PSI
140 GR. SPR GS-SP	AR2209	.264"	3.200"	42.0	2,558 fps	52,400 PSI	45.5	2,737 fps	62,700 PSI
	AR2213SC	.264"	3.200"	45.0	2,542 fps	52,300 PSI	49.5	2,731 fps	62,300 PSI
	AR2217	.264"	3.200"	49.0	2,570 fps	52,900 PSI	53.5C	2,761 fps	62,600 PSI
142 GR. SIE HPBT	AR2209	.264"	3.300"	42.0	2,572 fps	51,300 PSI	46.0	2,768 fps	62,900 PSI
	AR2213SC	.264"	3.300"	45.0	2,559 fps	50,000 PSI	50.3	2,795 fps	62,900 PSI
	AR2217	.264"	3.300"	49.0	2,555 fps	49,800 PSI	55.0C	2,816 fps	63,300 PSI
160 GR. HDY RN	AR2213SC	.264"	3.300"	46.0	2,461 fps	52,700 PSI	50.0	2,625 fps	62,600 PSI
	AR2217	.264"	3.300"	51.0	2,492 fps	53,600 PSI	55.0	2,650 fps	62,400 PSI

				Case: V	Vinchester (ref	ormed)	Barrel le	ength: 24"	
6.5-284				Twist: 1	:9"		Trim len	igth: 2.160"	
				Primer:	Federal 210				
					Start load	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
85 GR. SIE HP	AR2206H	.264"	2.750"	43.0	3,210 fps	-	46.5	3,417 fps	-
	AR2208	.264"	2.750"	48.0	3,378 fps	-	52.0	3,587 fps	-
	AR2209	.264"	2.750"	53.0	3,260 fps	-	57.5	3,531 fps	-
95 GR. HDY V-MAX	AR2206H	.264"	2.820"	43.0	3,195 fps	-	46.0	3,318 fps	-
	AR2208	.264"	2.820"	44.0	3,165 fps	-	49.0	3,380 fps	-
	AR2209	.264"	2.820"	50.0	3,088 fps	-	54.5	3,349 fps	-
100 GR. NOS BT	AR2206H	.264"	2.800"	42.0	3,058 fps	-	44.0	3,143 fps	-
	AR2208	.264"	2.800"	43.0	3,083 fps	-	47.0	3,227 fps	-
	AR2209	.264"	2.800"	49.0	3,003 fps	-	53.0	3,242 fps	-
	AR2213SC	.264"	2.800"	53.0	2,969 fps	-	57.7	3,211 fps	-
107 GR. SIE HPBT	AR2208	.264"	2.920"	42.0	2,970 fps	-	45.8	3,125 fps	-
	AR2209	.264"	2.920"	47.0	2,898 fps	-	51.5	3,118 fps	-
	AR2213SC	.264"	2.920"	51.0	2,842 fps	-	55.5	3,084 fps	-
	AR2217	.264"	2.920"	56.0	2,808 fps	-	60.0C	2,985 fps	-
120 GR. SFT SP	AR2209	.264"	2.780"	45.0	2,744 fps	-	49.0	2,897 fps	-
	AR2213SC	.264"	2.780"	48.0	2,651 fps	-	52.5	2,871 fps	-
	AR2217	.264"	2.780"	55.0	2,743 fps	-	58.5C	2,901 fps	-
129 GR. HDY SP	AR2209	.264"	2.935"	43.0	2,670 fps	-	47.0	2,863 fps	-
	AR2213SC	.264"	2.935"	47.0	2,670 fps	-	51.0	2,859 fps	-
	AR2217	.264"	2.935"	51.0	2,638 fps	-	55.5C	2,820 fps	-
130 GR. NOS AB	AR2209	.264"	2.950"	42.1	2,645 fps	-	46.7	2,874 fps	-
	AR2213SC	.264"	2.950"	44.0	2,541 fps	-	48.8	2,779 fps	-
	AR2217	.264"	2.950"	47.7	2,570 fps	-	53.0	2,812 fps	-
140 GR. SPR GS-SP	AR2209	.264"	2.910"	42.0	2,548 fps	-	45.5	2,720 fps	-
	AR2213SC	.264"	2.910"	45.0	2,520 fps	-	49.5	2,722 fps	-
	AR2217	.264"	2.910"	49.0	2,503 fps	-	53.5C	2,694 fps	-
142 GR. SIE HPBT	AR2209	.264"	2.900"	42.0	2,583 fps	-	46.0	2,735 fps	-
	AR2213SC	.264"	2.900"	45.0	2,479 fps	-	50.3	2,714 fps	-
	AR2217	.264"	2.900"	49.0	2,436 fps	-	55.0C	2,700 fps	-
160 GR. HDY RN	AR2213SC	.264"	2.980"	46.0	2,433 fps	-	50.0	2,582 fps	-
	AR2217	.264"	2.980"	51.0	2,454 fps	-	55.0	2,622 fps	-

6.5mm Remington Magnum

Case: Remington
Twist: 1:9"

Barrel length: 26"
Trim length: 2.160"

Primer: Remington 9 1/2M

					· ·				
					Start load	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
85 GR. SIE HP	AR2206H	.264"	2.800"	47.0	3,322 fps	39,000 CUP	51.0	3,613 fps	49,600 CUP
	AR2209	.264"	2.800"	54.0	3,220 fps	43,000 CUP	57.0	3,564 fps	50,700 CUP
	AR2213SC	.264"	2.800"	56.0	3,201 fps	34,800 CUP	61.0	3,570 fps	46,700 CUP
100 GR. HDY SP	AR2206H	.264"	2.940"	46.0	3,186 fps	42,600 CUP	50.0	3,475 fps	52,200 CUP
	AR2209	.264"	2.940"	51.0	3,071 fps	44,000 CUP	55.0	3,327 fps	51,700 CUP
	AR2213SC	.264"	2.940"	55.0	3,071 fps	37,200 CUP	60.0	3,416 fps	48,100 CUP
120 GR. SPR SP	AR2206H	.264"	2.790"	42.5	2,872 fps	42,000 CUP	46.0	3,081 fps	50,900 CUP
	AR2209	.264"	2.790"	49.0	2,780 fps	43,700 CUP	52.0	3,080 fps	51,200 CUP
	AR2213SC	.264"	2.790"	54.0	2,985 fps	42,600 CUP	59.0	3,286 fps	51,000 CUP

				Case: R	Remington		Barrel le	ength: 26"	
6.5mm Remington	Magnum			Twist: 1	:9"		Trim len	gth: 2.160"	
olog.co				Primer:	Remington 9	1/2M			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
129 GR. HDY SP	AR2206H	.264"	3.040"	40.5	2,709 fps	39,600 CUP	44.0	2,936 fps	49,900 CUP
	AR2209	.264"	3.040"	47.0	2,709 fps	41,400 CUP	51.0	2,994 fps	50,700 CUP
	AR2213SC	.264"	3.040"	53.5	2,854 fps	40,200 CUP	58.0	3,155 fps	50,800 CUP
140 GR. NOS PART	AR2206H	.264"	2.790"	38.5	2,569 fps	43,800 CUP	42.0	2,752 fps	49,200 CUP
	AR2209	.264"	2.790"	45.0	2,514 fps	42,000 CUP	49.0	2,780 fps	51,200 CUP
	AR2213SC	.264"	2.790"	49.5	2,708 fps	44,400 CUP	54.0	2,943 fps	51,400 CUP
				Case: V	Vinchester		Barrel le	ength: 26"	
264 Winchester Ma	anım			Twist: 1	:8"			igth: 2.490"	
AUT THIRDIESIGN WIC	guani			Primer	Winchester L	R		_	
				1 1111011	Start loa			Maximum I	oade
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
85 GR. SIE HP	AR2206H	.264"	3.100"	50.5	3,264 fps	44,600 CUP	55.0	3,625 fps	52,900 CUP
OJ GIV. SIL I IF	AR2209	.264"	3.100"	59.0	3,396 fps	43,600 CUP	61.0	3,669 fps	52,400 CUP
	AR2213SC	.264"	3.100"	67.0	3,304 fps	39,000 CUP	73.0	3,812 fps	54,100 CUP
	AR2217	.264"	3.100"	74.0	3,270 fps	37,600 CUP	78.0	3,480 fps	48,000 CUP
100 GR. HDY SP	AR2206H	.264"	3.230"	49.0	2,970 fps	44,100 CUP	53.0	3,405 fps	54,200 CUP
100 GICTIDT GI	AR2209	.264"	3.230"	56.0	3,194 fps	44,100 CUP	59.0	3,570 fps	52,600 CUP
	AR2213SC	.264"	3.230"	65.5	3,239 fps	45,900 CUP	71.0	3,680 fps	53,900 CUP
	AR2217	.264"	3.230"	72.0	3,164 fps	42,500 CUP	77.0	3,428 fps	47,500 CUP
120 GR. SPR SP	AR2209	.264"	3.250"	54.5	3,045 fps	53,000 PSI	58.0	3,185 fps	61.2 PSI
120 0. 11 0. 11 0.	AR2213SC	.264"	3.250"	60.6	3,027 fps	49,100 PSI	64.5	3,254 fps	62,000 PSI
	AR2217	.264"	3.250"	65.5	3,050 fps	49,100 PSI	69.7	3,267 fps	62,100 PSI
	AR2225	.264"	3.250"	66.3	3,091 fps	50,400 PSI	70.5	3,299 fps	61,700 PSI
129 GR. HDY SP	AR2209	.264"	3.250"	53.6	2,929 fps	53,500 PSI	57.0	3,067 fps	60,900 PSI
	AR2213SC	.264"	3.250"	58.3	2,927 fps	52,500 PSI	62.0	3,101 fps	61,400 PSI
	AR2217	.264"	3.250"	60.2	2,942 fps	54,500 PSI	64.0	3,064 fps	60,700 PSI
	AR2225	.264"	3.250"	63.5	3,005 fps	51,900 PSI	67.5	3,171 fps	61,500 PSI
140 GR. NOS PART	AR2209	.264"	3.260"	48.9	2,713 fps	55,300 PSI	52.0	2,829 fps	60,800 PSI
	AR2213SC	.264"	3.260"	51.7	2,753 fps	55,600 PSI	55.0	2,853 fps	59,400 PSI
	AR2217	.264"	3.260"	55.0	2,810 fps	58,600 PSI	58.5	2,900 fps	61,800 PSI
	AR2225	.264"	3.260"	59.7	2,904 fps	57,000 PSI	63.5	3,026 fps	63,000 PSI
160 GR. HDY RN	AR2209	.264"	3.350"	53.4	2,675 fps	56,600 PSI	56.8	2,784 fps	61,500 PSI
	AR2213SC	.264"	3.350"	58.1	2,725 fps	54,800 PSI	61.8	2,847 fps	61,500 PSI
	AR2217	.264"	3.350"	61.5	2,730 fps	55,500 PSI	65.4	2,857 fps	62,200 PSI
	AR2225	.264"	3.350"	60.2	2,703 fps	54,800 PSI	64.0	2,846 fps	61 PSI

				Case:			Barrel le	ength: 25"	
C F v COmm DIMO (C	\alala.u\			Twist: -			Trim len	_	
6.5 x 68mm RWS (S	ocnuier)			Primer:				igui	
				Primer.		-I-			1-
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Start loa Velocity	Pressure	Cm	Maximum I Velocity	oads Pressure
85 GR.	AR2209	Bullet Diairi.	C.O.L.	GIS.	velocity	riessuie	Grs.		riessure
85 GR.	AR2213SC	-	-	-	-	-	65.0	3,700 fps	-
100 GR.	AR2213SC AR2213SC	-	-	-	-	-	73.0	3,705 fps	-
120 GR.	AR2213SC AR2213SC	-	-	-	-	-	71.0 68.0	3,550 fps 3,310 fps	-
140 GR.	AR2213SC AR2213SC	-	-	-	-	-	63.0	2,995 fps	-
140 GR.	AN22133C	-	-	-	-	-	05.0	2,990 105	-
					Remington			ength: 24"	
6.8mm Remington	SPC			Twist: 1:10" Trim length: 1.676"					
				Primer:	Remington 9	1/2			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
85 GR. BAR TAC-X FB	AR2207	.277"	2.230"	25.2	2,829 fps	40,400 PSI	27.4	3,030 fps	50,900 PSI
	AR2219	.277"	2.230"	28.0	2,637 fps	33,600 PSI	31.0C	2,949 fps	45,600 PSI
	Bench Mark 2	.277"	2.230"	27.9	2,595 fps	31,800 PSI	31.0C	2,848 fps	40,000 PSI
90 GR. SPR HP	AR2207	.277"	2.255"	26.0	2,810 fps	47,700 PSI	28.6C	3,012 fps	54,000 PSI
	AR2219	.277"	2.255"	29.0	2,765 fps	42,100 PSI	31.0C	2,929 fps	49,500 PSI
	Bench Mark 2	.277"	2.255"	29.0	2,705 fps	38,900 PSI	31.0C	2,853 fps	45,900 PSI
100 GR. BAR X	AR2207	.277"	2.260"	24.0	2,542 fps	40,500 PSI	26.5	2,791 fps	52,900 PSI
	AR2219	.277"	2.260"	27.0	2,502 fps	37,700 PSI	30.0C	2,803 fps	52,300 PSI
	Bench Mark 2	.277"	2.260"	28.0	2,588 fps	42,000 PSI	30.0C	2,755 fps	51,200 PSI
110 GR. HDY V-MAX	AR2207	.277"	2.260"	23.0	2,431 fps	40,600 PSI	25.3C	2,651 fps	52,000 PSI
	AR2219	.277"	2.260"	27.0	2,571 fps	47,600 PSI	29.0C	2,697 fps	53,600 PSI
	Bench Mark 2	.277"	2.260"	27.0	2,518 fps	44,000 PSI	28.8C	2,665 fps	52,000 PSI
	Bench Mark 8208	.277"	2.260"	28.0	2,496 fps	38,500 PSI	30.0C	2,690 fps	48,600 PSI
	AR2206H	.277"	2.260"	27.0	2,335 fps	33,900 PSI	29.0C	2,550 fps	42,400 PSI
115 GR. SIE HPBT	AR2207	.277"	2.260"	22.0	2,413 fps	47,800 PSI	24.0C	2,534 fps	52,300 PSI
	AR2219	.277"	2.260"	26.0	2,421 fps	43,500 PSI	28.2C	2,608 fps	53,300 PSI
	Bench Mark 2	.277"	2.260"	26.0	2,400 fps	42,400 PSI	28.5C	2,581 fps	51,800 PSI
	Bench Mark 8208	.277"	2.260"	28.0	2,483 fps	41,800 PSI	30.0C	2,647 fps	51,400 PSI
	AR2206H	.277"	2.260"	27.0	2,302 fps	34,300 PSI	29.0C	2,495 fps	42,800 PSI
				Case:			Barrel le	ength: 24"	
270/303				Twist: -			Trim len	igth: -	
				Primer:					
WARNING: For SMI E Ac	ctions, reduce these loads by a	at loast two arains							
WARNING. FOI SIVILE AC	ciloris, reduce triese loads by a	at least two grains.			0, 11		1		
Dullet	Douglas	Dullet Dieve	661	C	Start loa		C	Maximum I	1
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
100 GR.	AR2206	-	-	-	-	-	35.0	2,750 fps	-
	AR2208	-	-	-	-	-	39.0	2,750 fps	-
420 CB	AR2209	-	-	-	-	-	44.0	2,750 fps	-
130 GR.	AR2206	-	-	-	-	-	33.0	2,500 fps	-
	AR2208	-	-	-	-	-	36.5	2,500 fps	-
450 CD	AR2209	-	-	-	-	-	42.5	2,500 fps	-
150 GR.	AR2208	-	-	-	-	-	33.5	2,350 fps	-
	AR2209	-	-	-	-	-	40.0	2,350 fps	-

Z70 Winchester Barrel length: 24" Twist: 1:10" Trim length: 2.530"

270 Winchester				Twist: 1:10" Trim length: 2.530"						
				Primer:	Winchester L	R				
					Start loa	ds		Maximum I	oads	
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure	
90 GR. SIE HP	Bench Mark 8208	.277"	3.200"	45.6	3,380 fps	57,900 PSI	48.0	3,476 fps	61,900 PSI	
	AR2206H	.277"	3.200"	50.0	3,482 fps	48,100 CUP	53.0	3,595 fps	50,400 CUP	
	AR2208	.277"	3.200"	51.0	3,409 fps	46,000 CUP	55.0	3,596 fps	51,400 CUP	
	AR2209	.277"	3.200"	58.0	3,401 fps	43,700 CUP	62.0C	3,603 fps	49,800 CUP	
100 GR. SPR SP	AR2206H	.277"	3.145"	47.0	3,298 fps	47,000 CUP	50.0	3,401 fps	50,200 CUP	
	AR2208	.277"	3.145"	48.0	3,232 fps	44,400 CUP	52.0	3,397 fps	50,200 CUP	
	AR2209	.277"	3.145"	56.0	3,258 fps	44,000 CUP	59.4	3,401 fps	50,200 CUP	
110 GR. HDY HP	Bench Mark 8208	.277"	3.250"	44.1	3,064 fps	56,400 PSI	46.4	3,146 fps	59,500 PSI	
	AR2206H	.277"	3.250"	45.0	3,113 fps	46,700 CUP	47.5	3,215 fps	50,800 CUP	
	AR2208	.277"	3.250"	43.0	3,072 fps	44,100 CUP	48.7	3,248 fps	50,800 CUP	
	AR2209	.277"	3.250"	54.0	3,164 fps	46,900 CUP	57.0	3,267 fps	50,100 CUP	
	AR2213SC	.277"	3.250"	58.0	3,057 fps	42,600 CUP	62.0C	3,214 fps	48,200 CUP	
120 GR. BAR XFB	AR2206H	.277"	3.270"	42.0	2,799 fps	45,000 CUP	45.0	2,950 fps	50,400 CUP	
	AR2208	.277"	3.270"	44.0	2,858 fps	46,300 CUP	47.0	3,010 fps	51,000 CUP	
	AR2209	.277"	3.270"	51.0	2,886 fps	44,700 CUP	55.0	3,069 fps	51,200 CUP	
	AR2213SC	.277"	3.270"	58.0	2,918 fps	45,800 CUP	62.0C	3,112 fps	51,200 CUP	
130 GR. BAR TSX	Bench Mark 8208	.277"	3.230"	42.3	2,798 fps	55,700 PSI	45.0	2,922 fps	62,400 PSI	
	AR2208	.277"	3.230"	44.0	2,849 fps	54,800 PSI	48.0	3,013 fps	63,200 PSI	
	AR2209	.277"	3.230"	51.0	2,905 fps	52,500 PSI	55.5	3,111 fps	63,500 PSI	
	AR2213SC	.277"	3.230"	54.0	2,747 fps	45,500 PSI	60.0C	3,025 fps	59,000 PSI	
	AR2217	.277"	3.230"	57.0	2,716 fps	42,100 PSI	60.0C	2,846 fps	48,200 PSI	
130 GR. HDY SP	Trail Boss	.277"	3.180"	14.0	1,318 fps	22,800 PSI	19.7	1,537 fps	27,100 PSI	
	Bench Mark 8208	.277"	3.180"	42.8	2,840 fps	57,600 PSI	45.0	2,934 fps	62,800 PSI	
	AR2206H	.277"	3.180"	42.0	2,782 fps	44,700 CUP	45.0	2,922 fps	51,000 CUP	
	AR2208	.277"	3.180"	43.0	2,797 fps	43,900 CUP	46.0	2,931 fps	49,600 CUP	
	AR2209	.277"	3.180"	51.0	2,865 fps	45,200 CUP	54.3	3,012 fps	50,500 CUP	
	AR2213SC	.277"	3.180"	56.0	2,843 fps	44,400 CUP	60.0C	3,019 fps	51,000 CUP	
	AR2217	.277"	3.180"	61.0	2,900 fps	42,900 CUP	64.0C	3,025 fps	48,100 CUP	
135 GR. SIE BT	AR2206H	.277"	3.340"	41.0	2,735 fps	44,300 CUP	44.0	2,879 fps	50,600 CUP	
	AR2208	.277"	3.340"	41.0	2,701 fps	40,800 CUP	45.0	2,902 fps	50,200 CUP	
	AR2209	.277"	3.340"	50.0	2,834 fps	44,400 CUP	53.5	2,994 fps	50,700 CUP	
	AR2213SC	.277"	3.340"	55.0	2,812 fps	43,600 CUP	59.5C	3,010 fps	51,000 CUP	
	AR2217	.277"	3.340"	61.0	2,915 fps	43,100 CUP	63.0C	3,011 fps	47,600 CUP	
140 GR. SFT SP	AR2206H	.277"	3.280"	40.0	2,627 fps	45,300 CUP	42.6	2,768 fps	50,600 CUP	
	AR2208	.277"	3.280"	41.0	2,623 fps	44,300 CUP	43.7	2,772 fps	50,500 CUP	
	AR2209	.277"	3.280"	49.0	2,737 fps	44,500 CUP	52.0	2,870 fps	50,400 CUP	
	AR2213SC	.277"	3.280"	54.0	2,716 fps	43,900 CUP	58.0C	2,888 fps	50,100 CUP	
	AR2217	.277"	3.280"	59.0	2,771 fps	41,800 CUP	63.0C	2,979 fps	50,800 CUP	
150 GR. HDY SP	AR2209	.277"	3.285"	46.0	2,575 fps	43,400 CUP	49.0	2,724 fps	51,000 CUP	
	AR2213SC	.277"	3.285"	52.0	2,651 fps	46,300 CUP	55.7	2,804 fps	51,200 CUP	
	AR2217	.277"	3.285"	55.0	2,689 fps	44,900 CUP	59.0C	2,831 fps	51,000 CUP	
160 GR. NOS PART	AR2209	.277"	3.340"	46.0	2,501 fps	43,600 CUP	49.0	2,646 fps	51,100 CUP	
	AR2213SC	.277"	3.340"	50.0	2,510 fps	43,000 CUP	54.0	2,673 fps	50,500 CUP	
	AR2217	.277"	3.340"	55.0	2,614 fps	44,200 CUP	59.0C	2,765 fps	50,900 CUP	
180 GR. BAR JRN	AR2213SC	.277"	3.300"	47.0	2,358 fps	46,000 CUP	50.5	2,501 fps	51,100 CUP	

				Caso: //	Vinchester		Rarrol lo	ength: 24"	
070345				Twist: 1				gth: 2.530"	
270 Winchester						_	minien	Igu I. 2.330	
				Primer:	Winchester L		1		
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
	AR2217	.277"	3.300"	50.0	2,404 fps	45,100 CUP	54.0	2,540 fps	50,600 CUP
				Case: V	Vinchester		Barrel le	ength: 24"	
270 Winchester Sh	ort Maanum			Twist: 1				gth: 2.090"	
270 Willester Sir	ort wagnum			Drimor:	Winchester L	DM		J	
				r illilei.			1	NA	
Dullet	Danielan	Dullet Diese	601	C	Start loa	1	C	Maximum I	1
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
90 GR. SIE HP	AR2206H	.277"	2.700"	53.0	3,508 fps	52,900 PSI	56.5	3,690 fps	62,500 PSI
	AR2208	.277"	2.700"	57.0	3,610 fps	57,600 PSI	60.5	3,734 fps	62,800 PSI
	AR2209	.277"	2.700"	64.0	3,568 fps	55,000 PSI	67.5	3,733 fps	62,800 PSI
400 OD ODD ! !D	AR2213SC	.277"	2.700"	69.0	3,525 fps	54,900 PSI	73.0C	3,703 fps	63,400 PSI
100 GR. SPR HP	AR2206H	.277"	2.700"	51.0	3,338 fps	53,200 PSI	54.5	3,505 fps	62,500 PSI
	AR2208	.277"	2.700"	55.0	3,416 fps	55,700 PSI	58.5	3,573 fps	63,300 PSI
	AR2209	.277"	2.700"	62.0	3,458 fps	55,000 PSI	65.5	3,585 fps	62,900 PSI
	AR2213SC	.277"	2.700"	67.0	3,352 fps	52,900 PSI	71.0C	3,542 fps	62,700 PSI
110 GR. HDY HP	AR2208	.277"	2.800"	53.0	3,276 fps	57,000 PSI	56.0	3,406 fps	63,200 PSI
	AR2209	.277"	2.800"	59.0	3,287 fps	55,900 PSI	63.0	3,436 fps	63,200 PSI
	AR2213SC	.277"	2.800"	64.0	3,265 fps	56,300 PSI	67.5	3,404 fps	63,000 PSI
	AR2217	.277"	2.800"	71.0	3,279 fps	55,400 PSI	73.0C	3,360 fps	60,400 PSI
130 GR. BAR TSX	AR2208	.277"	2.800"	48.0	2,900 fps	51,600 PSI	52.5	3,106 fps	62,500 PSI
	AR2209	.277"	2.800"	57.0	3,041 fps	55,700 PSI	61.5	3,191 fps	62,900 PSI
	AR2213SC	.277"	2.800"	63.0	3,002 fps	53,200 PSI	67.0C	3,160 fps	60,700 PSI
	AR2217	.277"	2.800"	69.0	3,066 fps	55,100 PSI	73.0C	3,196 fps	61,100 PSI
130 GR. HDY SP	Trail Boss	.277"	2.730"	16.0	1,516 fps	38,100 PSI	22.5	1,832 fps	47,900 PSI
	AR2208	.277"	2.730"	51.0	3,040 fps	56,400 PSI	54.0	3,169 fps	63,200 PSI
	AR2209	.277"	2.730"	57.0	3,093 fps	56,600 PSI	60.5	3,226 fps	63,500 PSI
	AR2213SC	.277"	2.730"	63.0	3,085 fps	56,300 PSI	67.0	3,228 fps	63,400 PSI
	AR2217	.277"	2.730"	71.0	3,100 fps	55,400 PSI	73.0C	3,168 fps	58,700 PSI
135 GR. SIE HPBT	AR2208	.277"	2.840"	51.0	3,000 fps	54,800 PSI	54.0	3,134 fps	63,000 PSI
	AR2209	.277"	2.840"	58.0	3,093 fps	57,000 PSI	61.5	3,211 fps	63,100 PSI
	AR2213SC	.277"	2.840"	62.0	3,056 fps	55,400 PSI	65.5	3,192 fps	62,900 PSI
	AR2217	.277"	2.840"	69.0	3,056 fps	54,400 PSI	73.0C	3,205 fps	62,600 PSI
140 GR. SFT SP	AR2209	.277"	2.800"	54.0	2,928 fps	54,500 PSI	58.0	3,087 fps	63,100 PSI
	AR2213SC	.277"	2.800"	59.0	2,974 fps	57,000 PSI	62.5	3,085 fps	63,000 PSI
	AR2217	.277"	2.800"	66.0	2,984 fps	55,700 PSI	70.0C	3,137 fps	63,500 PSI
	AR2225	.277"	2.800"	68.0	3,016 fps	53,200 PSI	71.0C	3,165 fps	61,300 PSI
150 GR. HDY SP	AR2209	.277"	2.740"	53.0	2,846 fps	55,600 PSI	56.5	2,978 fps	63,000 PSI
	AR2213SC	.277"	2.740"	56.0	2,804 fps	54,500 PSI	60.0	2,962 fps	63,100 PSI
	AR2217	.277"	2.740"	64.0	2,864 fps	54,600 PSI	67.5C	3,001 fps	62,800 PSI
	AR2225	.277"	2.740"	66.0	2,908 fps	53,300 PSI	70.0C	3,071 fps	63,000 PSI
160 GR. NOS PART	AR2209	.277"	2.830"	52.0	2,735 fps	56,100 PSI	55.0	2,834 fps	62,600 PSI
	AR2213SC	.277"	2.830"	57.0	2,784 fps	58,400 PSI	60.0	2,877 fps	63,300 PSI
	AR2217	.277"	2.830"	63.0	2,802 fps	57,400 PSI	66.5	2,913 fps	63,200 PSI
	AR2225	.277"	2.830"	65.0	2,826 fps	53,400 PSI	68.5	2,989 fps	62,600 PSI

					Case: Weatherby			Barrel length: 26"		
270 Weatherby Mag	nnım			Twist: 1	l:12"		Trim ler	ngth: 2.539"		
270 Wednerby May	gridiri			Primer:	CCI 250			-		
					Start loa	ds		Maximum I	oads	
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure	
90 GR. SIE HP	AR2206H	.277"	3.150"	63.0	3,388 fps	-	67.0	3,647 fps	-	
	AR2209	.277"	3.150"	66.0	3,317 fps	-	70.0	3,631 fps	_	
	AR2213SC	.277"	3.150"	72.0	3,386 fps	-	78.0	3,631 fps	-	
	AR2217	.277"	3.150"	78.0	3,183 fps	-	81.0	3,269 fps	-	
100 GR. SPR SP	AR2206H	.277"	3.250"	63.0	3,377 fps	-	66.0	3,597 fps	-	
	AR2209	.277"	3.250"	65.0	3,282 fps	-	69.0	3,509 fps	-	
	AR2213SC	.277"	3.250"	74.0	3,482 fps	-	77.0	3,666 fps	-	
	AR2217	.277"	3.250"	77.0	3,062 fps	-	81.0	3,287 fps	_	
110 GR. HDY HP	AR2209	.277"	3.290"	64.0	3,214 fps	-	68.0	3,477 fps	_	
	AR2213SC	.277"	3.290"	73.0	3,397 fps	_	76.0	3,482 fps	_	
	AR2217	.277"	3.290"	76.0	3,045 fps	-	81.0	3,242 fps	_	
130 GR. SPR SP	AR2209	.277"	3.250"	62.0	3,110 fps	-	66.0	3,262 fps	_	
	AR2213SC	.277"	3.250"	67.0	3,087 fps	_	70.0	3,205 fps	_	
	AR2217	.277"	3.250"	76.0	2,941 fps	_	81.0	3,259 fps	_	
140 GR. HDY BTSP	AR2209	.277"	3.280"	60.0	2,926 fps	_	64.0	3,140 fps	_	
	AR2213SC	.277"	3.280"	65.0	2,904 fps	_	68.0	3,112 fps	_	
	AR2217	.277"	3.280"	75.0	2,849 fps	-	80.0	3,145 fps	_	
150 GR. NOS PART	AR2209	.277"	3.250"	60.0	2,846 fps	_	63.0	2,986 fps	_	
130 GIV. NOS PART	AR2213SC	.277"	3.250"	65.0	2,872 fps	_	68.0	3,057 fps	_	
	AR2217	.277"	3.250"	75.0	2,902 fps	-	79.0	3,132 fps	-	
160 GR. NOS PART	AR2209	.277"	3.250"	58.0	2,666 fps	-	61.0	2,738 fps	-	
100 GR. NOS PART	AR2213SC	.277"	3.250"	62.0	2,674 fps	-	65.0	2,736 lps	-	
	AR2217	.277"	3.250"	74.0	2,872 fps	-	78.0	3,051 fps	-	
	AIVEZII	.211	3.230	74.0	2,072 1μ3	_	70.0	5,051 lps	_	
					Remington			ength: 24"		
7mm BR Remingto	n			Twist: 1	1:9.5"		Trim ler	igth: 1.515"		
				Primer:	Remington 7	1/2				
					Start loa	ds		Maximum I	oads	
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure	
100 GR. BAR XFB	AR2207	.284"	2.125"	26.0	2,524 fps	36,600 CUP	28.5	2,743 fps	49,900 CUP	
	AR2219	.284"	2.125"	29.0	2,516 fps	37,700 CUP	31.5C	2,738 fps	49,800 CUP	
	Bench Mark 2	.284"	2.125"	29.0	2,439 fps	38,800 CUP	32.0C	2,719 fps	50,100 CUP	
	AR2206H	.284"	2.125"	31.0	2,582 fps	40,900 CUP	33.0C	2,706 fps	45,300 CUP	
115 GR. SPR HP	AR2207	.284"	2.150"	26.0	2,498 fps	41,500 CUP	28.5	2,685 fps	50,500 CUP	
	AR2219	.284"	2.150"	29.0	2,476 fps	37,200 CUP	31.5C	2,693 fps	49,800 CUP	
	Bench Mark 2	.284"	2.150"	30.0	2,524 fps	41,600 CUP	32.0C	2,674 fps	49,800 CUP	
	Bench Mark 8208	.284"	2.150"	30.0	2,455 fps	34,400 CUP	33.0C	2,737 fps	45,300 CUP	
	AR2206H	.284"	2.150"	31.0	2,497 fps	38,900 CUP	33.0C	2,644 fps	45,300 CUP	
120 GR. HDY V-MAX	AR2207	.284"	2.300"	25.5	2,399 fps	40,200 CUP	27.5	2,597 fps	49,500 CUP	
	AR2219	.284"	2.300"	28.0	2,430 fps	39,800 CUP	30.8	2,636 fps	50,400 CUP	
	Bench Mark 2	.284"	2.300"	29.0	2,457 fps	43,100 CUP	31.0	2,590 fps	49,900 CUP	
	Bench Mark 8208	.284"	2.300"	30.0	2,479 fps	36,400 CUP	33.0C	2,726 fps	49,200 CUP	
	AR2206H	.284"	2.300"	30.0	2,437 fps	39,600 CUP	32.7C	2,650 fps	49,800 CUP	
130 GR. SIE HPBT	AR2207	.284"	2.250"	25.0	2,347 fps	40,000 CUP	27.0	2,514 fps	50,500 CUP	
	AR2219	.284"	2.250"	28.0	2,376 fps	40,500 CUP	30.0C	2,543 fps	50,600 CUP	
	Bench Mark 2	.284"	2.250"	28.0	2,361 fps	40,700 CUP	30.2C	2,517 fps	50,000 CUP	

7mm BR Remington				Twist: 1	emington :9.5" Remington 7	1/2	Barrel length: 24" Trim length: 1.515"		
				Primer.	Start loa			Maximum I	nade
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
Ballet	Bench Mark 8208	.284"	2.250"	29.0	2,379 fps	37,500 CUP	32.0C	2,625 fps	50,400 CUP
	AR2206H	.284"	2.250"	30.0	2,431 fps	43,900 CUP	32.0C	2,560 fps	49,200 CUP
139 GR. HDY SST	AR2207	.284"	2.260"	24.0	2,431 fps	42.500 CUP	26.0	2,390 fps	49,800 CUF
103 010 1101 001	AR2219	.284"	2.260"	26.5	2,265 fps	40,100 CUP	28.5C	2,426 fps	49,700 CUF
	Bench Mark 2	.284"	2.260"	27.5	2,278 fps	41,200 CUP	29.7C	2,420 fps	49,900 CUF
	Bench Mark 8208	.284"	2.250"	29.0	2,359 fps	41,300 CUP	31.0C	2,510 fps	46,700 CUF
	AR2206H	.284"	2.260"	29.0	2,320 fps	41,200 CUP	31.0C	2,448 fps	47,000 CUF
145 GR. SPR SPBT	AR2219	.284"	2.200"	27.0	2,320 fps	37,400 CUP	28.5C	2,349 fps	47,500 CUF
140 GIC OF ICOF DI	Bench Mark 2	.284"	2.200"	27.5	2,220 lps	40,400 CUP	29.7C	2,432 fps	50,400 CUF
	Bench Mark 8208	.284"	2.200"	28.5	2,270 lps 2,290 fps	38.500 CUP	31.0C	2,492 fps	47,000 CUF
	AR2206H	.284"	2.200"	29.0		,			,
150 GR. NOS BT	AR2206H AR2219	.284"	2.200	26.5	2,320 fps	42,400 CUP	31.0C 28.5C	2,453 fps 2,366 fps	47,500 CUP
I G CUPI . NO UCI	Bench Mark 2				2,215 fps	40,400 CUP			49,600 CUP
		.284"	2.340"	27.0	2,232 fps	41,900 CUP	29.5C	2,385 fps	50,200 CUP
	Bench Mark 8208	.284"	2.340"	28.5	2,289 fps	39,600 CUP	31.0C	2,475 fps	50,200 CUF
400 OD 11DV 4 144V	AR2206H	.284"	2.340"	28.5	2,247 fps	39,600 CUP	30.5C	2,385 fps	48,300 CUF
162 GR. HDY A-MAX	AR2219	.284"	2.400"	26.0	2,132 fps	39,800 CUP	28.3	2,292 fps	49,800 CUF
	Bench Mark 2	.284"	2.400"	27.0	2,144 fps	41,200 CUP	29.0C	2,285 fps	49,500 CUF
	Bench Mark 8208	.284"	2.400"	28.0	2,209 fps	40,600 CUP	30.5C	2,387 fps	48,600 CUF
	AR2206H	.284"	2.400"	27.5	2,132 fps	37,500 CUP	29.5C	2,296 fps	49,600 CUF
168 GR. SIE HPBT	AR2219	.284"	2.320"	26.0	2,112 fps	40,300 CUP	28.0	2,247 fps	49,600 CUP
	Bench Mark 2	.284"	2.320"	26.5	2,118 fps	41,400 CUP	28.5	2,246 fps	49,700 CUF
	Bench Mark 8208	.284"	2.320"	28.0	2,165 fps	41,300 CUP	30.5C	2,354 fps	49,800 CUF
				l .		,			,
	AR2206H	.284"	2.320"	28.0	2,154 fps	42,300 CUP	30.0C	2,287 fps	,
	AR2206H	.284"		l .	2,154 fps	,	30.0C		,
7-30 Waters	AR2206H	.284"		28.0	2,154 fps ederal	,	30.0C	2,287 fps	,
7-30 Waters	AR2206H	.284"		28.0 Case: F Twist: 1	2,154 fps ederal	,	30.0C	2,287 fps ength: 24"	49,200 CUP
7-30 Waters	AR2206H	.284"		28.0 Case: F Twist: 1	2,154 fps ederal :9.5"	42,300 CUP	30.0C	2,287 fps ength: 24"	49,200 CUP
7-30 Waters Bullet	AR2206H	.284" Bullet Diam.	2.320"	28.0 Case: F Twist: 1	2,154 fps ederal :9.5" Federal 210 Start loa	42,300 CUP	30.0C	2,287 fps ength: 24" egth: 2.030"	49,200 CUP
Bullet				28.0 Case: F Twist: 1 Primer:	2,154 fps ederal :9.5" Federal 210 Start load	ds Pressure	30.0C Barrel le Trim len	2,287 fps ength: 24" egth: 2.030" Maximum I	49,200 CUP
	Powder AR2219	Bullet Diam.	2.320" C.O.L. 2.700"	28.0 Case: F Twist: 1 Primer: Grs. 27.0	2,154 fps ederal 9.5" Federal 210 Start loa Velocity 2,447 fps	ds Pressure 30,500 CUP	30.0C Barrel le Trim len Grs. 30.0	2,287 fps ength: 24" egth: 2.030" Maximum I Velocity 2,679 fps	oads Pressure 40,200 CUP
Bullet	Powder AR2219 Bench Mark 2	Bullet Diam. .284" .284"	2.320" C.O.L. 2.700"	28.0 Case: F Twist: 1 Primer: Grs. 27.0 27.0	2,154 fps ederal 9.5" Federal 210 Start loa Velocity 2,447 fps 2,407 fps	42,300 CUP ds Pressure 30,500 CUP 29,600 CUP	30.0C Barrel le Trim len Grs. 30.0 30.5	2,287 fps ength: 24" egth: 2.030" Maximum I Velocity 2,679 fps 2,646 fps	oads Pressure 40,200 CUF
Bullet	Powder AR2219 Bench Mark 2 AR2206H	Bullet Diam284" .284" .284"	2.320" C.O.L. 2.700" 2.700"	28.0 Case: F Twist: 1 Primer: Grs. 27.0 27.0 34.0	2,154 fps ederal 9.5" Federal 210 Start loa Velocity 2,447 fps 2,407 fps 2,707 fps	ds Pressure 30,500 CUP 29,600 CUP 33,500 CUP	30.0C Barrel le Trim len Grs. 30.0 30.5 37.0C	2,287 fps ength: 24" gth: 2.030" Maximum I Velocity 2,679 fps 2,646 fps 2,908 fps	0ads Pressure 40,200 CUF 39,300 CUF 39,200 CUF
Bullet 100 GR. HDY HP	Powder AR2219 Bench Mark 2 AR2206H AR2208	Bullet Diam284" .284" .284" .284"	2.320" C.O.L. 2.700" 2.700" 2.700"	28.0 Case: F Twist: 1 Primer: Grs. 27.0 27.0 34.0 35.0	2,154 fps ederal 9.5" Federal 210 Start loa Velocity 2,447 fps 2,407 fps 2,707 fps 2,660 fps	ds Pressure 30,500 CUP 29,600 CUP 33,500 CUP 31,400 CUP	30.0C Barrel le Trim len Grs. 30.0 30.5 37.0C 38.0C	2,287 fps ength: 24" egth: 2.030" Maximum I Velocity 2,679 fps 2,646 fps 2,908 fps 2,814 fps	0ads Pressure 40,200 CUF 39,300 CUF 39,200 CUF 35,000 CUF
Bullet	Powder AR2219 Bench Mark 2 AR2206H AR2208 AR2219	Bullet Diam284" .284" .284" .284" .284"	2.320" C.O.L. 2.700" 2.700" 2.700" 2.550"	28.0 Case: F Twist: 1 Primer: Grs. 27.0 27.0 34.0 35.0 26.0	2,154 fps ederal 9.5" Federal 210 Start loa Velocity 2,447 fps 2,407 fps 2,707 fps 2,660 fps 2,274 fps	42,300 CUP ds Pressure 30,500 CUP 29,600 CUP 33,500 CUP 31,400 CUP 29,500 CUP	30.0C Barrel le Trim len Grs. 30.0 30.5 37.0C 38.0C 29.0	2,287 fps ength: 24" egth: 2.030" Maximum I Velocity 2,679 fps 2,646 fps 2,908 fps 2,814 fps 2,497 fps	0ads Pressure 40,200 CUF 39,300 CUF 39,200 CUF 40,200 CUF
Bullet 100 GR. HDY HP	Powder AR2219 Bench Mark 2 AR2206H AR2208 AR2219 Bench Mark 2	Bullet Diam284" .284" .284" .284" .284" .284"	2.320" C.O.L. 2.700" 2.700" 2.700" 2.550"	28.0 Case: F Twist: 1 Primer: 27.0 27.0 34.0 35.0 26.0 26.5	2,154 fps ederal 9.5" Federal 210 Start loa Velocity 2,447 fps 2,407 fps 2,707 fps 2,660 fps 2,274 fps 2,267 fps	ds Pressure 30,500 CUP 29,600 CUP 33,500 CUP 31,400 CUP 29,500 CUP 31,500 CUP	30.0C Barrel le Trim len Grs. 30.0 30.5 37.0C 38.0C 29.0 29.5	2,287 fps ength: 24" gth: 2.030" Maximum I Velocity 2,679 fps 2,646 fps 2,908 fps 2,814 fps 2,497 fps 2,474 fps	49,200 CUF Oads Pressure 40,200 CUF 39,300 CUF 35,000 CUF 40,200 CUF 40,200 CUF
Bullet 100 GR. HDY HP	Powder AR2219 Bench Mark 2 AR2206H AR2208 AR2219 Bench Mark 2 AR2206H	Bullet Diam. .284" .284" .284" .284" .284" .284"	2.320" C.O.L. 2.700" 2.700" 2.700" 2.550" 2.550"	28.0 Case: F Twist: 1 Primer: 27.0 27.0 34.0 35.0 26.0 26.5 31.0	2,154 fps ederal 9.5" Federal 210 Start loa Velocity 2,447 fps 2,407 fps 2,707 fps 2,660 fps 2,274 fps 2,267 fps 2,413 fps	ds Pressure 30,500 CUP 29,600 CUP 31,400 CUP 29,500 CUP 31,500 CUP 31,500 CUP 33,200 CUP	30.0C Barrel le Trim len Grs. 30.0 30.5 37.0C 38.0C 29.0 29.5 34.5	2,287 fps ength: 24" egth: 2.030" Maximum I Velocity 2,679 fps 2,646 fps 2,908 fps 2,814 fps 2,497 fps 2,474 fps 2,654 fps	49,200 CUF Pressure 40,200 CUF 39,300 CUF 35,000 CUF 40,200 CUF 40,200 CUF 39,400 CUF
Bullet 100 GR. HDY HP 120 GR. NOS FP	Powder AR2219 Bench Mark 2 AR2206H AR2208 AR2219 Bench Mark 2 AR2206H AR2208	Bullet Diam284" .284" .284" .284" .284" .284" .284" .284"	2.320" C.O.L. 2.700" 2.700" 2.700" 2.550" 2.550" 2.550"	28.0 Case: F Twist: 1 Primer: Grs. 27.0 27.0 34.0 35.0 26.0 26.5 31.0 34.0	2,154 fps ederal 9.5" Federal 210 Start loa Velocity 2,447 fps 2,407 fps 2,707 fps 2,660 fps 2,274 fps 2,267 fps 2,413 fps 2,480 fps	ds Pressure 30,500 CUP 29,600 CUP 31,400 CUP 29,500 CUP 31,500 CUP 31,500 CUP 31,100 CUP	30.0C Barrel le Trim len Grs. 30.0 30.5 37.0C 29.0 29.5 34.5 37.0C	2,287 fps ength: 24" egth: 2.030" Maximum I Velocity 2,679 fps 2,646 fps 2,908 fps 2,814 fps 2,497 fps 2,474 fps 2,654 fps 2,653 fps	0ads Pressure 40,200 CUF 39,300 CUF 35,000 CUF 40,200 CUF 40,200 CUF 40,200 CUF 40,000 CUF
Bullet 100 GR. HDY HP	Powder AR2219 Bench Mark 2 AR2206H AR2208 AR2219 Bench Mark 2 AR2206H AR2206H AR2208 AR2219	Bullet Diam284" .284" .284" .284" .284" .284" .284" .284" .284"	2.320" C.O.L. 2.700" 2.700" 2.700" 2.550" 2.550" 2.550" 2.720"	28.0 Case: F Twist: 1 Primer: 27.0 27.0 34.0 35.0 26.0 26.5 31.0 34.0 25.0	2,154 fps ederal 9.5" Federal 210 Start loa Velocity 2,447 fps 2,407 fps 2,707 fps 2,660 fps 2,274 fps 2,267 fps 2,413 fps 2,480 fps 2,142 fps	ds Pressure 30,500 CUP 29,600 CUP 33,500 CUP 31,400 CUP 29,500 CUP 31,500 CUP 31,500 CUP 31,600 CUP	30.0C Barrel le Trim len Grs. 30.0 30.5 37.0C 38.0C 29.0 29.5 34.5 37.0C 27.3	2,287 fps ength: 24" gth: 2.030" Maximum I Velocity 2,679 fps 2,646 fps 2,908 fps 2,814 fps 2,497 fps 2,474 fps 2,654 fps 2,653 fps 2,320 fps	49,200 CUF Pressure 40,200 CUF 39,300 CUF 35,000 CUF 40,200 CUF 40,200 CUF 40,000 CUF 39,400 CUF 39,300 CUF
Bullet 100 GR. HDY HP 120 GR. NOS FP	Powder AR2219 Bench Mark 2 AR2206H AR2208 AR2219 Bench Mark 2 AR2206H AR2208 AR2219 Bench Mark 2	Bullet Diam. .284" .284" .284" .284" .284" .284" .284" .284" .284" .284"	2.320" C.O.L. 2.700" 2.700" 2.700" 2.550" 2.550" 2.550" 2.720"	28.0 Case: F Twist: 1 Primer: 27.0 27.0 34.0 35.0 26.0 26.5 31.0 34.0 25.0 25.0	2,154 fps ederal 9.5" Federal 210 Start loa Velocity 2,447 fps 2,407 fps 2,707 fps 2,660 fps 2,274 fps 2,267 fps 2,413 fps 2,480 fps 2,142 fps 2,078 fps	ds Pressure 30,500 CUP 29,600 CUP 33,500 CUP 31,400 CUP 29,500 CUP 31,500 CUP 31,00 CUP 31,600 CUP 28,900 CUP	30.0C Barrel le Trim len Grs. 30.0 30.5 37.0C 29.0 29.5 34.5 37.0C 27.3 28.0	2,287 fps ength: 24" egth: 2.030" Maximum I Velocity 2,679 fps 2,646 fps 2,908 fps 2,814 fps 2,497 fps 2,474 fps 2,654 fps 2,653 fps 2,320 fps 2,314 fps	49,200 CUF Pressure 40,200 CUF 39,300 CUF 40,200 CUF 40,200 CUF 40,200 CUF 40,000 CUF 40,000 CUF 40,000 CUF 40,000 CUF
Bullet 100 GR. HDY HP 120 GR. NOS FP	Powder AR2219 Bench Mark 2 AR2206H AR2208 AR2219 Bench Mark 2 AR2206H AR2208 AR2219 Bench Mark 2 AR2206H AR2208	Bullet Diam284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284"	2.320" C.O.L. 2.700" 2.700" 2.700" 2.550" 2.550" 2.550" 2.720" 2.720"	28.0 Case: F Twist: 1 Primer: 27.0 27.0 34.0 35.0 26.0 26.5 31.0 34.0 25.0 25.0 25.0 31.0	2,154 fps ederal 9.5" Federal 210 Start loa Velocity 2,447 fps 2,407 fps 2,707 fps 2,660 fps 2,274 fps 2,267 fps 2,413 fps 2,480 fps 2,142 fps 2,078 fps 2,360 fps	ds Pressure 30,500 CUP 29,600 CUP 33,500 CUP 31,400 CUP 31,500 CUP 31,000 CUP 31,600 CUP 28,900 CUP 31,000 CUP	30.0C Barrel le Trim len Grs. 30.0 30.5 37.0C 29.0 29.5 34.5 37.0C 27.3 28.0 33.4C	2,287 fps ength: 24" egth: 2.030" Maximum I Velocity 2,679 fps 2,646 fps 2,908 fps 2,814 fps 2,497 fps 2,474 fps 2,654 fps 2,653 fps 2,320 fps 2,314 fps 2,528 fps	49,200 CUF Pressure 40,200 CUF 39,300 CUF 39,200 CUF 40,200 CUF 40,200 CUF 40,200 CUF 40,000 CUF 40,000 CUF 40,100 CUF 39,500 CUF
Bullet 100 GR. HDY HP 120 GR. NOS FP 130 GR. SIE HPBT	Powder AR2219 Bench Mark 2 AR2206H AR2208 AR2219 Bench Mark 2 AR2206H AR2208 AR2219 Bench Mark 2 AR2206H AR2208 AR2219 Bench Mark 2 AR2208	Bullet Diam284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284"	2.320" C.O.L. 2.700" 2.700" 2.700" 2.550" 2.550" 2.550" 2.720" 2.720" 2.720"	28.0 Case: F Twist: 1 Primer: 27.0 27.0 34.0 35.0 26.5 31.0 34.0 25.0 25.0 31.0 32.0	2,154 fps ederal 9.5" Federal 210 Start loa Velocity 2,447 fps 2,407 fps 2,707 fps 2,660 fps 2,267 fps 2,267 fps 2,413 fps 2,480 fps 2,142 fps 2,078 fps 2,336 fps	ds Pressure 30,500 CUP 29,600 CUP 33,500 CUP 31,400 CUP 31,500 CUP 31,000 CUP 31,600 CUP 31,000 CUP 31,000 CUP	30.0C Barrel le Trim len Grs. 30.0 30.5 37.0C 29.0 29.5 34.5 37.0C 27.3 28.0 33.4C 35.6C	2,287 fps ength: 24" gth: 2.030" Maximum I Velocity 2,679 fps 2,646 fps 2,908 fps 2,814 fps 2,497 fps 2,474 fps 2,654 fps 2,653 fps 2,320 fps 2,314 fps 2,528 fps 2,528 fps	49,200 CUF Pressure 40,200 CUF 39,300 CUF 35,000 CUF 40,200 CUF 40,200 CUF 40,000 CUF 40,000 CUF 39,300 CUF 40,100 CUF 40,100 CUF 40,100 CUF
Bullet 100 GR. HDY HP 120 GR. NOS FP	Powder AR2219 Bench Mark 2 AR2206H AR2208 AR2219 Bench Mark 2 AR2206H AR2208 AR2219 Bench Mark 2 AR2208 AR2219 AR2219 AR2208 AR2219 AR2219 AR2206H AR2208 AR2219	Bullet Diam. .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284"	2.320" C.O.L. 2.700" 2.700" 2.700" 2.550" 2.550" 2.550" 2.720" 2.720" 2.720" 2.720"	28.0 Case: F Twist: 1 Primer: 27.0 27.0 34.0 35.0 26.0 26.5 31.0 34.0 25.0 25.0 31.0 32.0 24.0	2,154 fps ederal 9.5" Federal 210 Start loa Velocity 2,447 fps 2,407 fps 2,707 fps 2,660 fps 2,274 fps 2,267 fps 2,413 fps 2,480 fps 2,142 fps 2,078 fps 2,336 fps 1,981 fps	ds Pressure 30,500 CUP 29,600 CUP 33,500 CUP 31,400 CUP 31,500 CUP 31,500 CUP 31,600 CUP 31,000 CUP 31,000 CUP 28,900 CUP 30,600 CUP 28,500 CUP	30.0C Barrel le Trim len Grs. 30.0 30.5 37.0C 29.0 29.5 34.5 37.0C 27.3 28.0 33.4C 35.6C 27.0	2,287 fps ength: 24" egth: 2.030" Maximum I Velocity 2,679 fps 2,646 fps 2,908 fps 2,814 fps 2,497 fps 2,474 fps 2,654 fps 2,653 fps 2,320 fps 2,314 fps 2,528 fps 2,528 fps 2,217 fps	49,200 CUF Pressure 40,200 CUF 39,300 CUF 40,200 CUF 40,200 CUF 40,200 CUF 40,000 CUF 40,000 CUF 40,100 CUF 39,500 CUF 40,100 CUF 39,400 CUF
Bullet 100 GR. HDY HP 120 GR. NOS FP 130 GR. SIE HPBT	Powder AR2219 Bench Mark 2 AR2206H AR2208 AR2219 Bench Mark 2 AR2206H AR2208 AR2219 Bench Mark 2 AR2208 AR2219 Bench Mark 2 AR2206H AR2208 AR2219 Bench Mark 2	Bullet Diam284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284"	2.320" C.O.L. 2.700" 2.700" 2.700" 2.550" 2.550" 2.550" 2.720" 2.720" 2.720" 2.550"	28.0 Case: F Twist: 1 Primer: 27.0 27.0 34.0 35.0 26.0 26.5 31.0 34.0 25.0 25.0 21.0 25.0 25.0 25.0 25.0	2,154 fps ederal 9.5" Federal 210 Start loa Velocity 2,447 fps 2,407 fps 2,707 fps 2,660 fps 2,274 fps 2,267 fps 2,413 fps 2,480 fps 2,142 fps 2,078 fps 2,360 fps 1,981 fps 2,048 fps	ds Pressure 30,500 CUP 29,600 CUP 33,500 CUP 31,400 CUP 31,500 CUP 31,000 CUP 31,000 CUP 31,000 CUP 28,900 CUP 31,000 CUP 31,000 CUP 31,000 CUP	30.0C Barrel le Trim len Grs. 30.0 30.5 37.0C 29.0 29.5 34.5 37.0C 27.3 28.0 33.4C 35.6C 27.0 28.0	2,287 fps ength: 24" egth: 2.030" Maximum I Velocity 2,679 fps 2,646 fps 2,908 fps 2,814 fps 2,497 fps 2,654 fps 2,653 fps 2,320 fps 2,314 fps 2,528 fps 2,528 fps 2,217 fps 2,220 fps	49,200 CUF Pressure 40,200 CUF 39,300 CUF 39,200 CUF 40,200 CUF 40,200 CUF 40,200 CUF 40,000 CUF 40,000 CUF 40,100 CUF 39,500 CUF 40,100 CUF 39,400 CUF 39,600 CUF
Bullet 100 GR. HDY HP 120 GR. NOS FP 130 GR. SIE HPBT	Powder AR2219 Bench Mark 2 AR2206H AR2208 AR2219 Bench Mark 2 AR2206H AR2208 AR2219 Bench Mark 2 AR2208 AR2219 AR2219 AR2208 AR2219 AR2219 AR2206H AR2208 AR2219	Bullet Diam. .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284"	2.320" C.O.L. 2.700" 2.700" 2.700" 2.550" 2.550" 2.550" 2.720" 2.720" 2.720" 2.720"	28.0 Case: F Twist: 1 Primer: 27.0 27.0 34.0 35.0 26.0 26.5 31.0 34.0 25.0 25.0 31.0 32.0 24.0	2,154 fps ederal 9.5" Federal 210 Start loa Velocity 2,447 fps 2,407 fps 2,707 fps 2,660 fps 2,274 fps 2,267 fps 2,413 fps 2,480 fps 2,142 fps 2,078 fps 2,336 fps 1,981 fps	ds Pressure 30,500 CUP 29,600 CUP 33,500 CUP 31,400 CUP 31,500 CUP 31,500 CUP 31,600 CUP 31,000 CUP 31,000 CUP 28,900 CUP 30,600 CUP 28,500 CUP	30.0C Barrel le Trim len Grs. 30.0 30.5 37.0C 29.0 29.5 34.5 37.0C 27.3 28.0 33.4C 35.6C 27.0	2,287 fps ength: 24" egth: 2.030" Maximum I Velocity 2,679 fps 2,646 fps 2,908 fps 2,814 fps 2,497 fps 2,474 fps 2,654 fps 2,653 fps 2,320 fps 2,314 fps 2,528 fps 2,528 fps 2,217 fps	49,200 CUP

				Case: F	ederal		Barrel le	ength: 24"	
7 20 \\/-4				Twist: 1				gth: 2.030"	
7-30 Waters								yuı. 2.000	
				Primer:	Federal 210		ı		
			ı		Start loa			Maximum I	1
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
	AR2206H	.284"	2.720"	29.0	2,238 fps	35,100 CUP	32.0	2,369 fps	39,900 CUP
	AR2208	.284"	2.720"	31.0	2,217 fps	33,600 CUP	34.2	2,439 fps	39,700 CUP
150 GR. NOS BT	Bench Mark 2	.284"	2.780"	23.0	1,929 fps	30,400 CUP	26.0	2,144 fps	39,200 CUP
	AR2206H	.284"	2.780"	29.0	2,192 fps	33,300 CUP	32.0C	2,347 fps	39,600 CUP
	AR2208	.284"	2.780"	31.0	2,215 fps	32,900 CUP	34.2C	2,388 fps	40,000 CUP
168 GR. SIE HPBT	Bench Mark 2	.284"	2.780"	23.0	1,897 fps	31,600 CUP	25.5	2,055 fps	39,800 CUP
	AR2206H	.284"	2.780"	28.0	2,132 fps	34,400 CUP	30.2	2,222 fps	38,600 CUP
	AR2208	.284"	2.780"	29.0	2,089 fps	33,000 CUP	32.0C	2,229 fps	39,200 CUP
				Case: R	Remington		Barrel le	ngth: 24"	
7mm-08 Remingto	n			Twist: 1	ŭ			gth: 2.025"	
/IIIII-00 Remingto	11			Drimor	Remington 9	1/2		J	
				Primer.			I		
5 " /			001		Start loa	1		Maximum I	1
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
100 GR. BAR XFB	AR2219	.284"	2.650"	37.5	2,917 fps	40,300 CUP	40.0	3,105 fps	49,000 CUP
	Bench Mark 2	.284"	2.650"	40.0	2,968 fps	41,400 CUP	42.5	3,144 fps	49,600 CUP
	AR2206H	.284"	2.650"	41.0	3,037 fps	41,000 CUP	45.0	3,286 fps	49,900 CUP
	AR2208	.284"	2.650"	42.0	3,060 fps	40,800 CUP	45.7	3,277 fps	49,600 CUP
115 GR. SPR HP	AR2219	.284"	2.655"	39.0	2,951 fps	44,800 CUP	41.0	3,053 fps	49,800 CUP
	Bench Mark 2	.284"	2.655"	40.0	2,887 fps	42,000 CUP	43.5	3,103 fps	50,500 CUP
	Bench Mark 8208	.284"	2.655"	40.6	2,866 fps	40,100 CUP	43.2	3,022 fps	48,400 CUP
	AR2206H	.284"	2.655"	42.0	3,007 fps	42,400 CUP	45.0	3,172 fps	49,900 CUP
	AR2208	.284"	2.655"	43.0	3,019 fps	41,200 CUP	46.3	3,216 fps	50,100 CUP
120 GR. NOS BT	Bench Mark 2	.284"	2.800"	39.0	2,812 fps	40,900 CUP	41.3	2,968 fps	49,000 CUP
	Bench Mark 8208	.284"	2.800"	40.1	2,830 fps	40,500 CUP	42.7	2,997 fps	48,900 CUP
	AR2206H	.284"	2.800"	41.0	2,931 fps	42,200 CUP	43.7	3,085 fps	49,700 CUP
	AR2208	.284"	2.800"	42.5	2,996 fps	43,800 CUP	45.0	3,117 fps	49,900 CUP
	AR2209	.284"	2.800"	48.0	2,895 fps	39,300 CUP	50.0C	3,039 fps	44,600 CUP
130 GR. SIE HPBT	Bench Mark 2	.284"	2.800"	37.0	2,701 fps	41,500 CUP	39.8	2,861 fps	50,200 CUP
	Bench Mark 8208	.284"	2.800"	39.1	2,755 fps	42,600 CUP	41.6	2,922 fps	50,400 CUP
	AR2206H	.284"	2.800"	39.5	2,824 fps	43,500 CUP	42.0	2,957 fps	50,200 CUP
	AR2208	.284"	2.800"	40.0	2,830 fps	43,400 CUP	43.5	3,004 fps	50,100 CUP
	AR2209	.284"	2.800"	47.0	2,871 fps	43,000 CUP	50.0C	2,998 fps	47,400 CUP
139 GR. HDY SP	Bench Mark 2	.284"	2.800"	37.5	2,624 fps	40,300 CUP	40.5	2,799 fps	49,600 CUP
	Bench Mark 8208	.284"	2.800"	39.0	2,642 fps	41,200 CUP	41.5	2,783 fps	49,000 CUP
	AR2206H	.284"	2.800"	39.0	2,678 fps	42,500 CUP	42.5	2,857 fps	50,200 CUP
	AR2208	.284"	2.800"	40.5	2,721 fps	44,700 CUP	43.5	2,877 fps	50,000 CUP
	AR2209	.284"	2.800"	47.0	2,729 fps	40,400 CUP	50.0C	2,906 fps	47,500 CUP
140 GR. SFT SP	Trail Boss	.284"	2.750"	11.0	1,211 fps	36,200 CUP	16.0	1,472 fps	43,300 CUP
	Bench Mark 2	.284"	2.750"	36.0	2,564 fps	42,600 CUP	38.3	2,688 fps	49,300 CUP
	Bench Mark 8208	.284"	2.750"	37.3	2,606 fps	43,200 CUP	39.7	2,732 fps	48,800 CUP
	AR2206H	.284"	2.750"	38.0	2,618 fps	42,000 CUP	40.5	2,769 fps	49,700 CUP
	AR2208	.284"	2.750"	39.5	2,695 fps	43,700 CUP	42.2	2,819 fps	49,800 CUP
	AR2209	.284"	2.750"	45.0	2,692 fps	42,300 CUP	48.0C	2,868 fps	49,800 CUP
145 GR. SPR SP	Bench Mark 2	.284"	2.730"	36.0	2,487 fps	40,900 CUP	39.5	2,693 fps	50,700 CUP
								,	

7mm-08 Remington				Case: R	temington :9.5"			ength: 24" ogth: 2.025"	
				Primer:	Remington 9	1/2			
					Start loa			Maximum I	nads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
Builot	AR2206H	.284"	2.730"	38.5	2,599 fps	44,400 CUP	41.0	2,728 fps	49,800 CUP
	AR2208	.284"	2.730"	39.0	2,639 fps	46.200 CUP	41.5	2,745 fps	50,200 CUP
	AR2209	.284"	2.730"	45.0	2,647 fps	42,300 CUP	48.0C	2,801 fps	49,800 CUP
150 GR. BAR TTSX BT	Bench Mark 2	.284"	2.770"	34.8	2,369 fps	45,900 CUP	37.0	2,506 fps	50,600 CUP
	Bench Mark 8208	.284"	2.770"	35.2	2,404 fps	44.600 CUP	37.4	2,518 fps	50,700 CUP
	AR2206H	.284"	2.770"	34.8	2,428 fps	45,200 CUP	37.0	2,561 fps	50,700 CUP
	AR2208	.284"	2.770"	37.3	2,448 fps	43,400 CUP	39.7	2,580 fps	50,700 CUP
	AR2209	.284"	2.770"	41.9	2,475 fps	40,100 CUP	45.5C	2,659 fps	50,400 CUP
150 GR. SIE HPBT	Bench Mark 2	.284"	2.800"	36.0	2,526 fps	43,300 CUP	38.5	2,667 fps	50,200 CUP
	Bench Mark 8208	.284"	2.800"	36.9	2,539 fps	43,200 CUP	39.3	2,677 fps	49,900 CUP
	AR2206H	.284"	2.800"	37.0	2,546 fps	43,300 CUP	40.5	2,723 fps	50,000 CUP
	AR2208	.284"	2.800"	38.5	2,597 fps	42,400 CUP	41.3	2,731 fps	50,000 CUP
	AR2209	.284"	2.800"	42.0	2,549 fps	40,600 CUP	45.4	2,724 fps	51,500 CUP
154 GR. HDY SP	Bench Mark 2	.284"	2.800"	36.0	2,467 fps	42,900 CUP	38.5	2,597 fps	49,500 CUP
	Bench Mark 8208	.284"	2.800"	36.2	2,482 fps	43,200 CUP	38.5	2,587 fps	49,100 CUP
	AR2206H	.284"	2.800"	37.0	2,484 fps	44,200 CUP	39.5	2,592 fps	49,900 CUP
	AR2208	.284"	2.800"	38.5	2,530 fps	44,100 CUP	41.2	2,666 fps	50,300 CUP
	AR2209	.284"	2.800"	42.3	2,531 fps	46,100 CUP	45.0	2,645 fps	51,300 CUP
	AR2213SC	.284"	2.800"	48.0	2,550 fps	40,900 CUP	49.5C	2,625 fps	44,500 CUP
160 GR. SPR SPBT	Bench Mark 2	.284"	2.800"	36.0	2,457 fps	44,100 CUP	38.5	2,592 fps	50,700 CUP
	Bench Mark 8208	.284"	2.800"	35.5	2,459 fps	45,400 CUP	37.7	2,554 fps	49,900 CUP
	AR2206H	.284"	2.800"	35.0	2,420 fps	44,400 CUP	38.5	2,530 fps	50,000 CUP
	AR2208	.284"	2.800"	36.5	2,451 fps	43,400 CUP	39.0	2,562 fps	49,900 CUP
	AR2209	.284"	2.800"	40.9	2,471 fps	45,400 CUP	43.5	2,583 fps	50,800 CUP
	AR2213SC	.284"	2.800"	47.5	2,547 fps	43,700 CUP	49.5C	2,627 fps	47,500 CUP
162 GR. HDY A-MAX	Bench Mark 2	.284"	2.875"	36.0	2,441 fps	43,100 CUP	38.0	2,557 fps	49,200 CUP
	Bench Mark 8208	.284"	2.875"	36.2	2,499 fps	41,000 CUP	40.2	2,725 fps	50,800 CUP
	AR2206H	.284"	2.875"	37.0	2,462 fps	43,700 CUP	39.5	2,600 fps	49,800 CUP
	AR2208	.284"	2.875"	38.5	2,504 fps	43,400 CUP	41.0	2,644 fps	49,800 CUP
	AR2209	.284"	2.875"	41.4	2,443 fps	40,400 CUP	45.0	2,622 fps	50,500 CUP
	AR2213SC	.284"	2.875"	47.5	2,501 fps	39,000 CUP	48.5C	2,555 fps	42,400 CUP
168 GR. SIE HPBT	Bench Mark 2	.284"	2.800"	36.0	2,389 fps	43,500 CUP	38.0	2,517 fps	49,400 CUP
	Bench Mark 8208	.284"	2.800"	34.9	2,414 fps	46,400 CUP	37.1	2,486 fps	49,600 CUP
	AR2206H	.284"	2.800"	36.5	2,390 fps	45,400 CUP	39.0	2,504 fps	49,700 CUP
	AR2208	.284"	2.800"	37.5	2,430 fps	44,600 CUP	40.0	2,540 fps	50,100 CUP
	AR2209	.284"	2.800"	41.6	2,431 fps	42,500 CUP	44.2	2,551 fps	50,700 CUP
	AR2213SC	.284"	2.800"	47.0	2,438 fps	39,700 CUP	49.0C	2,545 fps	45,000 CUP
175 GR. NOS PART	Bench Mark 2	.284"	2.800"	34.0	2,202 fps	42,400 CUP	36.5	2,333 fps	49,700 CUP
	Bench Mark 8208	.284"	2.800"	33.4	2,264 fps	43,200 CUP	35.5	2,372 fps	48,200 CUP
	AR2206H	.284"	2.800"	35.0	2,240 fps	44,500 CUP	37.5	2,354 fps	49,700 CUP
	AR2208	.284"	2.800"	35.0	2,231 fps	43,400 CUP	37.5	2,344 fps	49,500 CUP
	AR2209	.284"	2.800"	39.9	2,303 fps	41,900 CUP	42.4	2,451 fps	50,400 CUP
	AR2213SC	.284"	2.800"	47.0	2,443 fps	46,600 CUP	49.0C	2,516 fps	49,400 CUP

				Case: V	Vinchester		Barrel le	ength: 22"			
7mm Shooting Tin	nes Fasterner			Twist: 1	:10"		Trim length: 2.010"				
mini oncoming ran	ico Eusternei			Primer:	Winchester L	R		-			
					Start loa		Ι	Maximum I	oade		
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	1	Cm	Velocity	1		
120 GR. NOS FP	AR2206H	.284"	2.475"	37.0		Pressure	Grs. 41.0	_	Pressure		
120 GR. NOS FP	AR2200H	.284"	2.475"	44.0	2,529 fps 2,503 fps	-	49.0	2,909 fps 2,873 fps	-		
139 GR. HDY FP	AR2209 AR2209	.284"	2.473	43.0		-	48.0	•	-		
139 GR. HDT FP	AR2209	.204	2.500	43.0	2,271 fps	-	46.0	2,676 fps	-		
				Case: Winchester Barrel length: 24"							
7 x 57mm Mauser				Twist: 1	:8.75"		Trim len	igth: 2.225"			
				Primer:	Winchester L	R					
					Start loa	ds		Maximum I	oads		
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure		
100 GR. HDY HP	Bench Mark 2	.284"	2.900"	41.5	2,987 fps	39,900 CUP	44.3	3,138 fps	45,800 CUP		
	Bench Mark 8208	.284"	2.900"	40.0	2,939 fps	40,500 CUP	44.0	3,113 fps	45,500 CUP		
	AR2206H	.284"	2.900"	44.0	3,095 fps	41,200 CUP	46.0	3,208 fps	45,400 CUP		
	AR2208	.284"	2.900"	45.0	3,123 fps	42,000 CUP	48.0	3,250 fps	45,600 CUP		
	AR2209	.284"	2.900"	51.0	2,993 fps	36,000 CUP	54.0C	3,166 fps	41,200 CUP		
110 GR. SPR HP	Bench Mark 2	.284"	2.980"	41.0	2,874 fps	39,300 CUP	44.0	3,034 fps	45,700 CUP		
	Bench Mark 8208	.284"	2.980"	39.0	2,823 fps	43,400 CUP	43.5	3,006 fps	45,900 CUP		
	AR2206H	.284"	2.980"	43.0	2,939 fps	39,600 CUP	46.0	3,078 fps	45,000 CUP		
	AR2208	.284"	2.980"	41.0	2,902 fps	40,900 CUP	45.5	3,081 fps	46,000 CUP		
	AR2209	.284"	2.980"	51.0	2,865 fps	36,000 CUP	54.0C	3,046 fps	41,900 CUP		
120 GR. NOS BT	Bench Mark 2	.284"	3.000"	39.0	2,743 fps	42,900 CUP	41.5	2,863 fps	46,000 CUP		
	Bench Mark 8208	.284"	3.000"	37.0	2,652 fps	42,800 CUP	41.0	2,821 fps	45,800 CUP		
	AR2206H	.284"	3.000"	40.0	2,732 fps	40,900 CUP	42.0	2,859 fps	45,400 CUP		
	AR2208	.284"	3.000"	41.0	2,820 fps	41,700 CUP	44.0	2,979 fps	46,000 CUP		
	AR2209	.284"	3.000"	48.0	2,790 fps	40,300 CUP	51.0C	2,945 fps	45,800 CUP		
	AR2213SC	.284"	3.000"	50.0	2,650 fps	36,500 CUP	52.5C	2,777 fps	40,800 CUP		
130 GR. SPR SP	Bench Mark 2	.284"	2.800"	39.0	2,674 fps	43,300 CUP	41.2	2,765 fps	46,000 CUP		
	Bench Mark 8208	.284"	2.800"	35.0	2,488 fps	41,700 CUP	39.0	2,676 fps	46,100 CUP		
	AR2206H	.284"	2.800"	38.0	2,579 fps	40,600 CUP	41.0	2,704 fps	46,000 CUP		
	AR2208	.284"	2.800"	39.0	2,678 fps	40,400 CUP	42.0	2,800 fps	45,700 CUP		
	AR2209	.284"	2.800"	47.0	2,682 fps	40,500 CUP	50.0	2,848 fps	46,000 CUP		
140 GR. NOS BT	Bench Mark 2	.284"	3.000"	35.5	2,441 fps	40,900 CUP	38.0	2,571 fps	45,700 CUP		
	Bench Mark 8208	.284"	3.000"	33.0	2,335 fps	44,100 CUP	37.0	2,522 fps	46,100 CUP		
	AR2206H	.284"	3.000"	35.0	2,376 fps	39,800 CUP	37.5	2,530 fps	45,800 CUP		
	AR2208	.284"	3.000"	35.0	2,368 fps	40,800 CUP	37.7	2,516 fps	46,000 CUP		
	AR2209	.284"	3.000"	43.0	2,530 fps	40,400 CUP	46.5	2,682 fps	46,000 CUP		
	AR2213SC	.284"	3.000"	47.0	2,520 fps	42,500 CUP	49.5C	2,719 fps	46,000 CUP		
150 GR. BAR TTSX	Bench Mark 2	.284"	2.965"	31.0	2,194 fps	40,300 CUP	35.0	2,356 fps	45,000 CUP		
	AR2206H	.284"	2.965"	31.0	2,167 fps	37,700 CUP	35.0	2,403 fps	45,700 CUP		
	AR2208	.284"	2.965"	32.0	2,183 fps	38,600 CUP	36.5	2,415 fps	45,900 CUP		
	AR2209	.284"	2.965"	38.0	2,288 fps	36,900 CUP	42.5C	2,502 fps	45,300 CUP		
	AR2213SC	.284"	2.965"	42.0	2,318 fps	39,000 CUP	46.0C	2,495 fps	45,000 CUP		
150 GR. NOS BT	Bench Mark 2	.284"	3.000"	34.0	2,291 fps	40,900 CUP	36.0	2,365 fps	45,700 CUP		
	Bench Mark 8208	.284"	3.000"	32.0	2,206 fps	39,500 CUP	36.0	2,401 fps	45,800 CUP		
	AR2206H	.284"	3.000"	34.0	2,271 fps	40,200 CUP	36.0	2,383 fps	46,000 CUP		
	AR2208	.284"	3.000"	34.0	2,265 fps	40,900 CUP	36.0	2,372 fps	45,600 CUP		
	AR2209	.284"	3.000"	41.0	2,364 fps	38,800 CUP	44.0	2,513 fps	45,500 CUP		

Case: Winchester Barrel length: 24" Twist: 1:8.75" Trim length: 2.225" 7 x 57mm Mauser Primer: Winchester LR Start loads Maximum loads Powder **Bullet** Bullet Diam. C.O.L. Grs. Velocity Pressure Grs. Velocity **Pressure** AR2213SC 45.0 41,700 CUP .284" 3.000" 2,411 fps 48.0 2,542 fps 46,000 CUP 160 GR. NOS PART Bench Mark 2 .284" 32.5 2,174 fps 40,800 CUP 34.7 45,700 CUP 3.000" 2,284 fps Bench Mark 8208 .284" 3.000" 31.0 2,106 fps 38,000 CUP 34.5 2,287 fps 45,900 CUP AR2206H .284" 3.000" 33.0 2,165 fps 40,200 CUP 34.5 2,245 fps 44,700 CUP AR2208 .284" 3.000" 33.0 2,160 fps 41,100 CUP 35.0 2,261 fps 45,900 CUP AR2209 .284" 40.0 42,100 CUP 45,400 CUP 3.000" 2,314 fps 2,399 fps AR2213SC .284" 3.000" 43.0 2,311 fps 41,500 CUP 46.0 2,415 fps 45,700 CUP 168 GR. SIE HPBT Bench Mark 2 .284" 3.000" 33.5 2,212 fps 40,900 CUP 36.0 2,336 fps 46,000 CUP Bench Mark 8208 .284" 3.000" 31.0 39,100 CUP 45,800 CUP 3,100 fps 34.0 2,260 fps AR2206H .284" 3.000" 33.0 2,118 fps 36,400 CUP 34.5 2,211 fps 42,600 CUP AR2208 .284" 3.000" 34.5 2,232 fps 36,600 CUP 37.5 2,404 fps 45,500 CUP 40.0 42.5 AR2209 284" 3 000" 40,400 CUP 2,378 fps 44,100 CUP 2,267 fps AR2213SC .284" 43.0 2,244 fps 38,100 CUP 46.0 43,900 CUP 3.000" 2,393 fps AR2217 .284" 3.000" 49.0 2,338 fps 40,800 CUP 52.0C 2,485 fps 46,000 CUP 175 GR. NOS PART .284" 3.025" 31.0 34,200 CUP 45,500 CUP AR2208 2,005 fps 35.0 2,178 fps AR2209 .284" 3.025" 35.0 2,066 fps 39,700 CUP 37.0 2,159 fps 43,400 CUP AR2213SC .284" 3.025" 37.0 2,098 fps 41,300 CUP 40.0 2,201 fps 45,700 CUP 42.0 44.5 AR2217 .284" 3.025" 2,038 fps 41,000 CUP 2,239 fps 45,500 CUP Case: Remington Barrel length: 24" Twist: 1:10" Trim length: 2.530"

280 Remington (7mm Express Remington)

Primer: Remington 9 1/2

					Start loa	ds	Maximum loads		
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
100 GR. SIE HP	AR2206H	.284"	3.180"	47.0	3,226 fps	42,800 CUP	50.5	3,418 fps	49,000 CUP
	AR2208	.284"	3.180"	48.0	3,254 fps	42,400 CUP	51.3	3,433 fps	48,300 CUP
	AR2209	.284"	3.180"	56.0	3,167 fps	41,400 CUP	60.5	3,379 fps	49,200 CUP
	AR2213SC	.284"	3.180"	59.0	3,053 fps	38,900 CUP	63.0C	3,266 fps	46,000 CUP
115 GR. SPR HP	AR2206H	.284"	3.180"	46.0	3,033 fps	42,600 CUP	49.0	3,175 fps	48,300 CUP
	AR2208	.284"	3.180"	46.0	3,040 fps	43,500 CUP	49.0	3,170 fps	47,700 CUP
	AR2209	.284"	3.180"	54.0	3,017 fps	40,200 CUP	58.5	3,234 fps	48,100 CUP
	AR2213SC	.284"	3.180"	58.0	3,014 fps	40,600 CUP	62.0C	3,190 fps	47,300 CUP
120 GR. BAR TSX	AR2206H	.284"	3.230"	46.9	3,067 fps	54,300 PSI	49.9	3,171 fps	57,200 PSI
	AR2208	.284"	3.230"	47.7	3,007 fps	48,800 PSI	50.7	3,177 fps	57,200 PSI
	AR2209	.284"	3.230"	55.5	3,093 fps	49,100 PSI	59.0C	3,254 fps	57,400 PSI
	AR2213SC	.284"	3.230"	58.0	2,923 fps	43,600 PSI	63.0C	3,124 fps	53,100 PSI
140 GR. NOS PART	AR2206H	.284"	3.230"	42.0	2,711 fps	43,200 CUP	45.2	2,830 fps	48,400 CUP
	AR2208	.284"	3.230"	42.0	2,674 fps	41,400 CUP	45.5	2,838 fps	48,100 CUP
	AR2209	.284"	3.230"	50.0	2,756 fps	41,900 CUP	53.5	2,918 fps	48,500 CUP
	AR2213SC	.284"	3.230"	54.0	2,732 fps	41,000 CUP	58.5	2,927 fps	48,500 CUP
145 GR. SPR SP	AR2206H	.284"	3.160"	38.0	2,434 fps	43,800 CUP	41.0	2,596 fps	48,400 CUP
	AR2208	.284"	3.160"	39.0	2,469 fps	44,900 CUP	43.0	2,690 fps	48,000 CUP
	AR2209	.284"	3.160"	45.0	2,553 fps	44,500 CUP	48.8	2,714 fps	49,900 CUP
	AR2213SC	.284"	3.160"	48.0	2,579 fps	46,900 CUP	53.0	2,727 fps	50,000 CUP
150 GR. NOS PART	AR2206H	.284"	3.300"	38.0	2,430 fps	43,700 CUP	41.5	2,588 fps	50,000 CUP
	AR2208	.284"	3.300"	39.0	2,485 fps	44,000 CUP	42.0	2,611 fps	49,800 CUP

				Case: R	temington		Barrel length: 24"			
280 Remington (7m	m Express Remington)		Twist: 1	:10"		Trim length: 2.530"			
,	. 0	•		Primer:	Remington 9	1/2				
					Start loa	ds		Maximum I	oads	
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure	
	AR2209	.284"	3.300"	46.0	2,550 fps	42,500 CUP	49.7	2,700 fps	49,300 CUP	
	AR2213SC	.284"	3.300"	50.0	2,579 fps	45,100 CUP	53.7	2,709 fps	49,500 CUP	
	AR2217	.284"	3.300"	56.0	2,647 fps	43,500 CUP	60.0C	2,797 fps	49,300 CUP	
160 GR. SFT SP	AR2206H	.284"	3.240"	38.0	2,341 fps	40,300 CUP	41.5	2,535 fps	49,500 CUP	
	AR2208	.284"	3.240"	39.0	2,384 fps	43,000 CUP	42.5	2,555 fps	49,300 CUP	
	AR2209	.284"	3.240"	46.0	2,441 fps	40,900 CUP	49.5	2,610 fps	48,900 CUP	
	AR2213SC	.284"	3.240"	51.0	2,464 fps	40,600 CUP	55.0	2,660 fps	49,500 CUP	
	AR2217	.284"	3.240"	57.0	2,517 fps	40,700 CUP	61.0C	2,714 fps	47,500 CUP	
162 GR. HDY A-MAX	AR2206H	.284"	3.330"	38.0	2,396 fps	42,800 CUP	41.5	2,567 fps	50,000 CUP	
	AR2208	.284"	3.330"	39.0	2,443 fps	44,100 CUP	42.0	2,573 fps	49,500 CUP	
	AR2209	.284"	3.330"	46.0	2,468 fps	42,300 CUP	49.5	2,614 fps	49,900 CUP	
	AR2213SC	.284"	3.330"	51.0	2,517 fps	44,100 CUP	54.5	2,644 fps	49,300 CUP	
	AR2217	.284"	3.330"	56.0	2,526 fps	40,300 CUP	60.0C	2,711 fps	47,200 CUP	
168 GR. SIE HPBT	AR2206H	.284"	3.330"	38.0	2,329 fps	45,900 CUP	41.2	2,468 fps	49,600 CUP	
	AR2208	.284"	3.330"	40.0	2,424 fps	45,800 CUP	42.2	2,523 fps	49,900 CUP	
	AR2209	.284"	3.330"	46.0	2,422 fps	41,300 CUP	50.0	2,586 fps	49,400 CUP	
	AR2213SC	.284"	3.330"	51.0	2,462 fps	42,400 CUP	54.5	2,605 fps	49,200 CUP	
	AR2217	.284"	3.330"	56.0	2,506 fps	39,400 CUP	60.0C	2,700 fps	49,300 CUP	
175 GR. HDY SP	AR2209	.284"	3.300"	44.0	2,343 fps	44,600 CUP	46.5	2,447 fps	49,300 CUP	
	AR2213SC	.284"	3.300"	48.0	2,362 fps	44,400 CUP	51.0	2,477 fps	49,800 CUP	
	AR2217	.284"	3.300"	54.0	2,502 fps	47,000 CUP	57.0C	2,583 fps	49,600 CUP	
				Case: V	Vinchester		Barrel le	ength: 24"		
284 Winchester	•			Case: V				ength: 24"		
284 Winchester				Twist: 1	:10"	R		ength: 24" egth: 2.160"		
284 Winchester				Twist: 1	:10" Winchester L			gth: 2.160"	oads	
	Powder	Rullet Diam	COL	Twist: 1 Primer:	:10" Winchester L Start loa	ds	Trim len	gth: 2.160" Maximum I	1	
Bullet	Powder Bench Mark 8208	Bullet Diam.	C.O.L.	Twist: 1 Primer: Grs.	:10" Winchester L Start loa Velocity	ds Pressure	Trim len	gth: 2.160" Maximum I Velocity	Pressure	
	Bench Mark 8208	.284"	2.800"	Twist: 1 Primer: Grs. 48.9	:10" Winchester L Start loa Velocity 3,322 fps	ds Pressure 44,800 CUP	Grs. 52.0	Maximum I Velocity 3,478 fps	Pressure 52,000 CUP	
Bullet	Bench Mark 8208 AR2206H	.284"	2.800" 2.800"	Twist: 1 Primer: Grs. 48.9 47.0	:10" Winchester L Start loa Velocity 3,322 fps 3,213 fps	Pressure 44,800 CUP 45,800 CUP	Grs. 52.0 51.5	Maximum I Velocity 3,478 fps 3,428 fps	Pressure 52,000 CUP 51,600 CUP	
Bullet	Bench Mark 8208 AR2206H AR2208	.284"	2.800" 2.800" 2.800"	Twist: 1 Primer: Grs. 48.9 47.0 51.0	Winchester L Start loa Velocity 3,322 fps 3,213 fps 3,242 fps	ds Pressure 44,800 CUP 45,900 CUP	Grs. 52.0 51.5 54.0	Maximum I Velocity 3,478 fps 3,428 fps 3,435 fps	Pressure 52,000 CUP 51,600 CUP 52,900 CUP	
Bullet 100 GR. SIE HP	Bench Mark 8208 AR2206H AR2208 AR2209	.284" .284" .284" .284"	2.800" 2.800" 2.800" 2.800"	Twist: 1 Primer: Grs. 48.9 47.0 51.0 55.0	Winchester L Start loa Velocity 3,322 fps 3,213 fps 3,242 fps 3,096 fps	Pressure 44,800 CUP 45,800 CUP 45,900 CUP 39,600 CUP	Grs. 52.0 51.5 54.0 60.0C	Maximum I Velocity 3,478 fps 3,428 fps 3,435 fps 3,368 fps	Pressure 52,000 CUP 51,600 CUP 52,900 CUP 49,000 CUP	
Bullet	Bench Mark 8208 AR2206H AR2208 AR2209 AR2206H	.284" .284" .284" .284" .284"	2.800" 2.800" 2.800" 2.800" 2.800"	Twist: 1 Primer: Grs. 48.9 47.0 51.0 55.0 45.0	Winchester L Start loa Velocity 3,322 fps 3,213 fps 3,242 fps 3,096 fps 3,000 fps	44,800 CUP 45,800 CUP 45,900 CUP 39,600 CUP 43,500 CUP	Grs. 52.0 51.5 54.0 60.0C 50.0	Maximum I Velocity 3,478 fps 3,428 fps 3,435 fps 3,368 fps 3,245 fps	Pressure 52,000 CUP 51,600 CUP 52,900 CUP 49,000 CUP 52,400 CUP	
Bullet 100 GR. SIE HP	Bench Mark 8208 AR2206H AR2208 AR2209 AR2206H AR2208	.284" .284" .284" .284" .284" .284"	2.800" 2.800" 2.800" 2.800" 2.800" 2.800"	Twist: 1 Primer: Grs. 48.9 47.0 51.0 55.0 45.0 49.0	10" Winchester L Start loa Velocity 3,322 fps 3,213 fps 3,242 fps 3,096 fps 3,096 fps 3,096 fps	Pressure 44,800 CUP 45,800 CUP 45,900 CUP 39,600 CUP 43,500 CUP 46,900 CUP	Grs. 52.0 51.5 54.0 60.0C 50.0 53.0	Maximum I Velocity 3,478 fps 3,428 fps 3,435 fps 3,368 fps 3,245 fps 3,281 fps	Pressure 52,000 CUP 51,600 CUP 52,900 CUP 49,000 CUP 52,400 CUP 53,400 CUP	
Bullet 100 GR. SIE HP	Bench Mark 8208 AR2206H AR2208 AR2209 AR2206H AR2208 AR2208 AR2209	.284" .284" .284" .284" .284"	2.800" 2.800" 2.800" 2.800" 2.800" 2.800"	Twist: 1 Primer: Grs. 48.9 47.0 51.0 55.0 45.0 49.0 54.0	**Minchester L Start loa Velocity 3,322 fps 3,213 fps 3,242 fps 3,096 fps 3,096 fps 3,096 fps 3,096 fps 3,098 fps	Pressure 44,800 CUP 45,800 CUP 45,900 CUP 39,600 CUP 43,500 CUP 46,900 CUP 40,200 CUP	Grs. 52.0 51.5 54.0 60.0C 50.0 53.0 59.0C	Maximum I Velocity 3,478 fps 3,428 fps 3,435 fps 3,368 fps 3,245 fps 3,281 fps 3,305 fps	Pressure 52,000 CUP 51,600 CUP 52,900 CUP 49,000 CUP 52,400 CUP 53,400 CUP 52,200 CUP	
Bullet 100 GR. SIE HP 115 GR. SPR SP	Bench Mark 8208 AR2206H AR2208 AR2209 AR2206H AR2208 AR2208 AR2209 Bench Mark 8208	.284" .284" .284" .284" .284" .284" .284"	2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.825"	Twist: 1 Primer: Grs. 48.9 47.0 51.0 55.0 45.0 49.0 54.0 45.1	10" Winchester L Start loa Velocity 3,322 fps 3,213 fps 3,242 fps 3,096 fps 3,000 fps 3,008 fps 3,008 fps 3,032 fps	44,800 CUP 45,800 CUP 45,800 CUP 45,900 CUP 39,600 CUP 43,500 CUP 46,900 CUP 40,200 CUP 45,600 CUP	Grs. 52.0 51.5 54.0 60.0C 50.0 53.0 59.0C 48.0	Maximum I Velocity 3,478 fps 3,428 fps 3,435 fps 3,368 fps 3,245 fps 3,245 fps 3,281 fps 3,305 fps 3,134 fps	Pressure 52,000 CUP 51,600 CUP 52,900 CUP 49,000 CUP 52,400 CUP 53,400 CUP 52,200 CUP 52,600 CUP	
Bullet 100 GR. SIE HP 115 GR. SPR SP	Bench Mark 8208 AR2206H AR2208 AR2209 AR2206H AR2208 AR2208 AR2208 AR2209 Bench Mark 8208 AR2206H	.284" .284" .284" .284" .284" .284" .284" .284"	2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.825"	Twist: 1 Primer: Grs. 48.9 47.0 51.0 55.0 45.0 49.0 54.0 45.1 43.0	Winchester L Start loa Velocity 3,322 fps 3,213 fps 3,242 fps 3,096 fps 3,000 fps 3,008 fps 3,008 fps 3,032 fps 2,880 fps	Pressure 44,800 CUP 45,800 CUP 45,900 CUP 39,600 CUP 43,500 CUP 46,900 CUP 40,200 CUP 45,600 CUP 41,400 CUP	Grs. 52.0 51.5 54.0 60.0C 50.0 53.0 59.0C 48.0 48.0	Maximum I Velocity 3,478 fps 3,428 fps 3,435 fps 3,368 fps 3,245 fps 3,245 fps 3,281 fps 3,305 fps 3,134 fps 3,120 fps	Pressure 52,000 CUP 51,600 CUP 52,900 CUP 49,000 CUP 52,400 CUP 53,400 CUP 52,200 CUP 52,600 CUP 51,600 CUP	
Bullet 100 GR. SIE HP 115 GR. SPR SP	Bench Mark 8208 AR2206H AR2208 AR2209 AR2206H AR2208 AR2209 Bench Mark 8208 AR2206H AR2208	.284" .284" .284" .284" .284" .284" .284" .284" .284"	2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.825" 2.825"	Twist: 1 Primer: Grs. 48.9 47.0 51.0 55.0 45.0 49.0 54.0 45.1 43.0 45.0	**Minchester L Start loa Velocity 3,322 fps 3,213 fps 3,242 fps 3,096 fps 3,000 fps 3,008 fps 3,008 fps 3,032 fps 2,880 fps 2,919 fps	44,800 CUP 45,800 CUP 45,800 CUP 45,900 CUP 43,500 CUP 46,900 CUP 40,200 CUP 45,600 CUP 41,400 CUP 43,200 CUP	Grs. 52.0 51.5 54.0 60.0C 50.0 53.0 59.0C 48.0 48.0 50.5	Maximum I Velocity 3,478 fps 3,428 fps 3,435 fps 3,368 fps 3,245 fps 3,281 fps 3,305 fps 3,134 fps 3,120 fps 3,158 fps	Pressure 52,000 CUP 51,600 CUP 52,900 CUP 49,000 CUP 52,400 CUP 53,400 CUP 52,200 CUP 52,600 CUP 51,600 CUP 52,200 CUP	
Bullet 100 GR. SIE HP 115 GR. SPR SP	Bench Mark 8208 AR2206H AR2208 AR2209 AR2206H AR2208 AR2208 AR2208 AR2209 Bench Mark 8208 AR2206H	.284" .284" .284" .284" .284" .284" .284" .284"	2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.825"	Twist: 1 Primer: Grs. 48.9 47.0 51.0 55.0 45.0 45.1 43.0 45.1 53.0	**Start loa** Velocity 3,322 fps 3,213 fps 3,242 fps 3,096 fps 3,000 fps 3,008 fps 3,008 fps 2,880 fps 2,919 fps 3,017 fps	44,800 CUP 45,800 CUP 45,800 CUP 45,900 CUP 43,500 CUP 46,900 CUP 40,200 CUP 45,600 CUP 41,400 CUP 43,200 CUP 44,700 CUP	Grs. 52.0 51.5 54.0 60.0C 50.0 48.0 48.0 50.5 57.0C	Maximum I Velocity 3,478 fps 3,428 fps 3,435 fps 3,368 fps 3,245 fps 3,245 fps 3,305 fps 3,134 fps 3,120 fps 3,158 fps 3,174 fps	Pressure 52,000 CUP 51,600 CUP 52,900 CUP 49,000 CUP 52,400 CUP 53,400 CUP 52,200 CUP 52,600 CUP 51,600 CUP 52,200 CUP	
Bullet 100 GR. SIE HP 115 GR. SPR SP	Bench Mark 8208 AR2206H AR2208 AR2209 AR2206H AR2208 AR2208 AR2209 Bench Mark 8208 AR2206H AR2206H AR2208	.284" .284" .284" .284" .284" .284" .284" .284" .284" .284"	2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.825" 2.825" 2.825" 2.825"	Twist: 1 Primer: Grs. 48.9 47.0 51.0 55.0 45.0 49.0 54.0 45.1 43.0 45.0 53.0 56.0	**Start loa** Velocity 3,322 fps 3,213 fps 3,242 fps 3,096 fps 3,000 fps 3,008 fps 3,008 fps 2,880 fps 2,880 fps 2,919 fps 3,017 fps 2,846 fps	44,800 CUP 45,800 CUP 45,900 CUP 45,900 CUP 43,500 CUP 46,900 CUP 40,200 CUP 45,600 CUP 41,400 CUP 43,200 CUP 44,700 CUP 44,700 CUP	Grs. 52.0 51.5 54.0 60.0C 50.0 48.0 48.0 50.5 57.0C 60.0C	Maximum I Velocity 3,478 fps 3,428 fps 3,435 fps 3,368 fps 3,245 fps 3,245 fps 3,245 fps 3,134 fps 3,134 fps 3,158 fps 3,174 fps 3,018 fps	Pressure 52,000 CUP 51,600 CUP 52,900 CUP 49,000 CUP 52,400 CUP 53,400 CUP 52,200 CUP 52,600 CUP 51,600 CUP 49,600 CUP 49,600 CUP	
Bullet 100 GR. SIE HP 115 GR. SPR SP 120 GR. HDY V-MAX	Bench Mark 8208 AR2206H AR2208 AR2209 AR2206H AR2208 AR2209 Bench Mark 8208 AR2206H AR2208 AR2206H AR2208 AR2208 AR2208 AR2209 AR2213SC AR2206H	.284" .284" .284" .284" .284" .284" .284" .284" .284" .284"	2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.825" 2.825" 2.825" 2.825" 2.825"	Twist: 1 Primer: Grs. 48.9 47.0 51.0 55.0 45.0 49.0 54.0 45.1 43.0 45.0 56.0 44.0	**Minchester L Start loa Velocity 3,322 fps 3,213 fps 3,242 fps 3,006 fps 3,006 fps 3,008 fps 2,880 fps 2,919 fps 2,846 fps 2,853 fps 2,853 fps	44,800 CUP 45,800 CUP 45,800 CUP 45,900 CUP 43,500 CUP 46,900 CUP 40,200 CUP 41,400 CUP 41,400 CUP 43,200 CUP 44,700 CUP 44,700 CUP 47,300 CUP	Grs. 52.0 51.5 54.0 60.0C 50.0 48.0 48.0 50.5 57.0C 60.0C 47.5	Maximum I Velocity 3,478 fps 3,428 fps 3,435 fps 3,368 fps 3,245 fps 3,245 fps 3,281 fps 3,305 fps 3,134 fps 3,120 fps 3,158 fps 3,174 fps 3,018 fps 2,984 fps	Pressure 52,000 CUP 51,600 CUP 52,900 CUP 49,000 CUP 52,400 CUP 52,400 CUP 52,200 CUP 51,600 CUP 52,200 CUP 49,600 CUP 45,200 CUP 52,100 CUP	
Bullet 100 GR. SIE HP 115 GR. SPR SP 120 GR. HDY V-MAX	Bench Mark 8208 AR2206H AR2208 AR2209 AR2206H AR2208 AR2209 Bench Mark 8208 AR2206H AR2208 AR2208 AR2206 AR2208 AR2209 AR2213SC AR2206H AR2208	.284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284"	2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.825" 2.825" 2.825" 2.825" 2.825" 2.825"	Twist: 1 Primer: 48.9 47.0 51.0 55.0 45.0 45.0 45.1 43.0 45.0 53.0 56.0 44.0	**Start loa** Velocity 3,322 fps 3,213 fps 3,242 fps 3,096 fps 3,000 fps 3,008 fps 3,008 fps 2,880 fps 2,919 fps 3,017 fps 2,846 fps 2,845 fps 2,844 fps	44,800 CUP 45,800 CUP 45,800 CUP 45,900 CUP 43,500 CUP 46,900 CUP 40,200 CUP 40,200 CUP 41,400 CUP 43,700 CUP 47,300 CUP 47,300 CUP 47,400 CUP	Grs. 52.0 51.5 54.0 60.0C 50.0 48.0 50.5 57.0C 60.0C 47.5 49.7	Maximum I Velocity 3,478 fps 3,428 fps 3,435 fps 3,368 fps 3,245 fps 3,245 fps 3,245 fps 3,134 fps 3,120 fps 3,158 fps 3,174 fps 3,018 fps 2,984 fps 3,026 fps	Pressure 52,000 CUP 51,600 CUP 52,900 CUP 49,000 CUP 52,400 CUP 52,400 CUP 52,200 CUP 52,600 CUP 52,600 CUP 49,600 CUP 49,600 CUP 45,200 CUP 52,100 CUP 52,700 CUP	
Bullet 100 GR. SIE HP 115 GR. SPR SP 120 GR. HDY V-MAX	Bench Mark 8208 AR2206H AR2208 AR2209 AR2206H AR2208 AR2208 AR2209 Bench Mark 8208 AR2206H AR2208 AR2208 AR2208 AR2209 AR2213SC AR2206H AR2208 AR2208 AR2209	.284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284"	2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.825" 2.825" 2.825" 2.825" 2.825" 2.825" 2.850" 2.850"	Twist: 1 Primer: Grs. 48.9 47.0 51.0 55.0 45.0 45.1 43.0 45.1 43.0 56.0 44.0 45.0 53.0	**Start loa** Velocity 3,322 fps 3,213 fps 3,242 fps 3,096 fps 3,096 fps 3,008 fps 3,008 fps 2,880 fps 2,880 fps 2,919 fps 2,846 fps 2,844 fps 2,920 fps	44,800 CUP 45,800 CUP 45,900 CUP 43,500 CUP 46,900 CUP 40,200 CUP 41,400 CUP 43,700 CUP 44,700 CUP 47,300 CUP 47,400 CUP 45,700 CUP	Grs. 52.0 51.5 54.0 60.0C 50.0 48.0 48.0 50.5 57.0C 60.0C 47.5 49.7 57.0C	Maximum I Velocity 3,478 fps 3,428 fps 3,435 fps 3,368 fps 3,245 fps 3,245 fps 3,245 fps 3,134 fps 3,105 fps 3,174 fps 3,018 fps 2,984 fps 3,026 fps 3,095 fps	Pressure 52,000 CUP 51,600 CUP 52,900 CUP 49,000 CUP 52,400 CUP 52,400 CUP 52,200 CUP 52,600 CUP 51,600 CUP 49,600 CUP 49,600 CUP 45,200 CUP 52,100 CUP 52,700 CUP 50,900 CUP	
Bullet 100 GR. SIE HP 115 GR. SPR SP 120 GR. HDY V-MAX 130 GR. BAR XBT	Bench Mark 8208 AR2206H AR2208 AR2209 AR2206H AR2208 AR2209 Bench Mark 8208 AR2206H AR2208 AR2209 AR2213SC AR2208 AR2208 AR2208 AR2209 AR2213SC	.284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284"	2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.825" 2.825" 2.825" 2.825" 2.825" 2.850" 2.850"	Twist: 1 Primer: Grs. 48.9 47.0 51.0 55.0 45.0 49.0 54.0 45.1 43.0 45.0 56.0 44.0 56.0	**Minchester L Start loa Velocity 3,322 fps 3,213 fps 3,242 fps 3,006 fps 3,006 fps 3,008 fps 2,880 fps 2,880 fps 2,846 fps 2,846 fps 2,844 fps 2,920 fps 2,788 fps	44,800 CUP 45,800 CUP 45,800 CUP 45,900 CUP 43,500 CUP 46,900 CUP 46,900 CUP 41,400 CUP 41,400 CUP 47,300 CUP 47,300 CUP 47,300 CUP 45,700 CUP 45,700 CUP	Grs. 52.0 51.5 54.0 60.0C 50.0 53.0 59.0C 48.0 48.0 50.5 57.0C 60.0C 47.5 49.7 57.0C 60.0C	Maximum I Velocity 3,478 fps 3,428 fps 3,435 fps 3,368 fps 3,245 fps 3,245 fps 3,281 fps 3,305 fps 3,134 fps 3,120 fps 3,158 fps 3,174 fps 3,018 fps 2,984 fps 3,095 fps 2,923 fps	Pressure 52,000 CUP 51,600 CUP 49,000 CUP 52,400 CUP 52,400 CUP 52,400 CUP 52,600 CUP 51,600 CUP 52,200 CUP 49,600 CUP 45,200 CUP 52,100 CUP 52,700 CUP 50,900 CUP	
Bullet 100 GR. SIE HP 115 GR. SPR SP 120 GR. HDY V-MAX	Bench Mark 8208 AR2206H AR2208 AR2209 AR2206H AR2208 AR2208 AR2209 Bench Mark 8208 AR2206H AR2208 AR2206H AR2208 AR2209 AR2213SC AR2208 AR2209 AR2213SC Bench Mark 8208	.284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284"	2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.825" 2.825" 2.825" 2.825" 2.850" 2.850" 2.850" 2.850"	Twist: 1 Primer: Grs. 48.9 47.0 51.0 55.0 45.0 45.1 43.0 45.1 43.0 45.0 53.0 56.0 44.0 45.0 53.0 56.0 42.8	**Start loa** Velocity 3,322 fps 3,213 fps 3,242 fps 3,096 fps 3,000 fps 3,008 fps 3,008 fps 2,880 fps 2,919 fps 2,846 fps 2,844 fps 2,844 fps 2,920 fps 2,772 fps	44,800 CUP 45,800 CUP 45,900 CUP 45,900 CUP 43,500 CUP 46,900 CUP 40,200 CUP 41,400 CUP 43,200 CUP 44,700 CUP 47,300 CUP 47,300 CUP 47,400 CUP 45,700 CUP 40,500 CUP	Grs. 52.0 51.5 54.0 60.0C 50.0 48.0 50.5 57.0C 60.0C 47.5 49.7 57.0C 60.0C 45.5	Maximum I Velocity 3,478 fps 3,428 fps 3,435 fps 3,368 fps 3,245 fps 3,245 fps 3,134 fps 3,120 fps 3,158 fps 3,174 fps 3,018 fps 2,984 fps 3,026 fps 2,923 fps 2,914 fps	Pressure 52,000 CUP 51,600 CUP 49,000 CUP 52,400 CUP 52,400 CUP 52,400 CUP 52,200 CUP 52,600 CUP 52,200 CUP 49,600 CUP 45,200 CUP 52,100 CUP 52,700 CUP 50,900 CUP 46,300 CUP	
Bullet 100 GR. SIE HP 115 GR. SPR SP 120 GR. HDY V-MAX 130 GR. BAR XBT	Bench Mark 8208 AR2206H AR2208 AR2209 AR2206H AR2208 AR2209 Bench Mark 8208 AR2206H AR2208 AR2209 AR2213SC AR2208 AR2208 AR2208 AR2209 AR2213SC	.284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284" .284"	2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.800" 2.825" 2.825" 2.825" 2.825" 2.825" 2.850" 2.850"	Twist: 1 Primer: Grs. 48.9 47.0 51.0 55.0 45.0 49.0 54.0 45.1 43.0 45.0 56.0 44.0 56.0	**Minchester L Start loa Velocity 3,322 fps 3,213 fps 3,242 fps 3,006 fps 3,006 fps 3,008 fps 2,880 fps 2,880 fps 2,846 fps 2,846 fps 2,844 fps 2,920 fps 2,788 fps	44,800 CUP 45,800 CUP 45,800 CUP 45,900 CUP 43,500 CUP 46,900 CUP 46,900 CUP 41,400 CUP 41,400 CUP 47,300 CUP 47,300 CUP 47,300 CUP 45,700 CUP 45,700 CUP	Grs. 52.0 51.5 54.0 60.0C 50.0 53.0 59.0C 48.0 48.0 50.5 57.0C 60.0C 47.5 49.7 57.0C 60.0C	Maximum I Velocity 3,478 fps 3,428 fps 3,435 fps 3,368 fps 3,245 fps 3,245 fps 3,281 fps 3,305 fps 3,134 fps 3,120 fps 3,158 fps 3,174 fps 3,018 fps 2,984 fps 3,095 fps 2,923 fps	Pressure 52,000 CUP 51,600 CUP 49,000 CUP 52,400 CUP 52,400 CUP 52,200 CUP 52,600 CUP 51,600 CUP 52,200 CUP 49,600 CUP 45,200 CUP 52,100 CUP 52,700 CUP 50,900 CUP 46,300 CUP	

				Case: V	Vinchester		Barrel le	ength: 24"		
284 Winchester				Twist: 1	:10"		Trim len	igth: 2.160"		
				Primer:	Winchester L	R				
					Start loa	ds		Maximum I	oads	
Bullet	Powder	Bullet Diam.	C.O.L.	Grs. Velocity		Pressure	Grs.	Velocity	Pressure	
	AR2209	.284"	2.915"	52.0	2,840 fps	44,300 CUP	57.0C	3,079 fps	52,400 CUP	
	AR2213SC	.284"	2.915"	56.0	2,760 fps	40,000 CUP	60.0C	2,923 fps	46,900 CUF	
145 GR. SPR SP	AR2206H	.284"	2.800"	43.0	2,736 fps	47,500 CUP	46.5	2,856 fps	51,600 CUF	
140 012 01 17 01	AR2208	.284"	2.800"	45.0	2,771 fps	48,300 CUP	49.0	2,905 fps	52,500 CUF	
	AR2209	.284"	2.800"	50.0	2,743 fps	45,600 CUP	55.0	2,964 fps	53,200 CUF	
	AR2213SC	.284"	2.800"	55.0	2,733 fps	45,200 CUP	60.0C	2,945 fps	52,500 CUF	
150 GR. SFT SCIR	AR2206H	.284"	2.950"	43.0	2,719 fps	48,100 CUP	46.5	2,818 fps	52,300 CUF	
100 OR OF TOOM	AR2208	.284"	2.950"	44.0	2,674 fps	45,400 CUP	48.7	2,863 fps	52,800 CUF	
	AR2209	.284"	2.950"	50.0	2,721 fps	46,100 CUP	54.7C	2,913 fps	52,300 CUF	
	AR2213SC	.284"	2.950"	55.0	2,682 fps	45,200 CUP	59.0C	2,852 fps	50,100 CUF	
160 GR. BAR TSX	AR2206H	.284"	2.870"	40.0	2,374 fps	42,800 CUP	45.0	2,593 fps	51,500 CUF	
IOU OIL BAIL IOA	AR2200H	.284"	2.870"	42.0	2,374 lps 2,397 fps	43,100 CUP	46.5	2,632 fps	51,800 CUF	
	AR2209 AR2213SC	.284"	2.870" 2.870"	47.0 50.0	2,497 fps 2,391 fps	43,700 CUP 38,300 CUP	52.0C 55.5C	2,672 fps 2,629 fps	50,400 CUF 47,400 CUF	
162 GR. HDY BTSP	AR2206H	.284"	2.970"	40.0	2,502 fps	42,900 CUP	44.2	2,703 fps	51,600 CUF	
102 GR. HDT BTSF	AR2208	.284"	2.970"	42.0	2,502 lps 2,557 fps	43,800 CUP	47.0	2,764 fps	52,500 CUF	
						-				
	AR2209 AR2213SC	.284"	2.970" 2.970"	50.0	2,712 fps	47,600 CUP	53.5C	2,847 fps	53,000 CUF	
400 CD CIE LIDDE					2,617 fps	44,500 CUP	58.0C	2,816 fps	50,900 CUF	
168 GR. SIE HPBT	AR2206H	.284"	2.900"	40.0	2,531 fps	46,200 CUP	44.0	2,689 fps	52,300 CUF	
	AR2208	.284"	2.900"	42.0	2,576 fps	45,400 CUP	47.0	2,736 fps	52,500 CUF	
	AR2209	.284"	2.900"	50.0	2,668 fps	47,400 CUP	53.5C	2,822 fps	53,000 CUF	
4TT OD OFT OD	AR2213SC	.284"	2.900"	53.0	2,602 fps	45,100 CUP	58.0C	2,807 fps	52,700 CUF	
175 GR. SFT SP	AR2208	.284"	2.930"	42.0	2,413 fps	45,800 CUP	46.0	2,582 fps	52,600 CUF	
	AR2209	.284"	2.930"	47.0	2,483 fps	44,900 CUP	51.5C	2,649 fps	52,000 CUF	
	AR2213SC	.284"	2.930"	52.0	2,482 fps	44,500 CUP	57.0C	2,695 fps	52,900 CUF	
				Case: N	losler		Barrel length: 24"			
280 Ackley Improv	ed			Twist: 1	:9"		Trim len	igth: 2.530"		
				Primer:	Winchester L	R				
					Start loa	ds		Maximum I	oads	
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure	
120 GR. NOS BT	AR2206H	.284"	3.320"	44.7	2,974 fps	51,800 PSI	47.5	3,128 fps	60,700 PSI	
	AR2208	.284"	3.320"	47.0	2,988 fps	52,200 PSI	50.0	3,153 fps	61,300 PSI	
	AR2209	.284"	3.320"	55.5	3,120 fps	54,000 PSI	59.0	3,271 fps	61,400 PSI	
	AR2213SC	.284"	3.320"	61.1	3,024 fps	52,200 PSI	65.0C	3,240 fps	60,900 PSI	
	AR2217	.284"	3.320"	62.0	2,924 fps	45,100 PSI	66.0C	3,120 fps	54,400 PSI	
130 GR. SIE HPBT	AR2206H	.284"	3.320"	42.8	2,813 fps	51,200 PSI	45.5	2,953 fps	60,300 PSI	
	AR2208	.284"	3.320"	44.7	2,855 fps	53,500 PSI	47.5	2,991 fps	60,800 PSI	
	AR2209	.284"	3.320"	50.8	2,913 fps	53,300 PSI	54.0	3,051 fps	60,000 PSI	
	AR2213SC	.284"	3.320"	57.3	2,910 fps	53,800 PSI	61.0	3,060 fps	61,300 PSI	
	AR2217	.284"	3.320"	60.6	2,910 lps	51,600 PSI	64.5C	3,065 fps	59,800 PSI	
140 GR. NOS BT	AR2206H	.284"	3.330"	42.8	2,737 fps	53,600 PSI	45.5	2,876 fps	61,600 PSI	
1-0 GIV. 1100 D1	AR2208	.284"	3.330"	44.6	2,757 lps	54,100 PSI	47.4	2,903 fps	60,400 PSI	
	AR2209	.284"	3.330"	52.2		55,200 PSI	55.5	3,012 fps	61,600 PSI	
					2,893 fps					
	AR2213SC	.284"	3.330"	58.3	2,841 fps	53,600 PSI	62.0C	3,012 fps	61,100 PSI	
	AR2217	.284"	3.330"	60.0	2,778 fps	48,200 PSI	64.0C	2,972 fps	58,700 PSI	

Barrel length: 24"

RIFLE DATA

Case: Nosler

				Case: N			Barrel length: 24"			
280 Ackley Improve	ed			Twist: 1	:9"		Trim length: 2.530"			
				Primer:	Winchester L	R				
					Start loa	ds		Maximum I	oads	
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure	
150 GR. BAR TSX	AR2206H	.284"	3.230"	41.4	2,598 fps	52,800 PSI	44.0	2,716 fps	59,900 PSI	
	AR2208	.284"	3.230"	43.0	2,632 fps	53,800 PSI	45.8	2,750 fps	60,900 PSI	
	AR2209	.284"	3.230"	49.5	2,736 fps	55,600 PSI	52.7	2,855 fps	61,600 PSI	
	AR2213SC	.284"	3.230"	54.1	2,705 fps	51,900 PSI	57.5C	2,840 fps	59,900 PSI	
	AR2217	.284"	3.230"	54.5	2,592 fps	54,100 PSI	61.0C	2,826 fps	56,900 PSI	
150 GR. SFT SCIR	AR2206H	.284"	3.330"	42.0	2,633 fps	52,100 PSI	44.6	2,773 fps	61,200 PSI	
	AR2208	.284"	3.330"	43.5	2,647 fps	51,700 PSI	46.3	2,796 fps	59,300 PSI	
	AR2209	.284"	3.330"	48.0	2,676 fps	51,900 PSI	54.5	2,908 fps	61,700 PSI	
	AR2213SC	.284"	3.330"	53.6	2,657 fps	51,500 PSI	57.0	2,773 fps	61,200 PSI	
	AR2217	.284"	3.330"	58.5	2,724 fps	57,100 PSI	62.2C	2,883 fps	60,300 PSI	
160 GR. NOS AB	AR2206H	.284"	3.330"	40.9	2,496 fps	52,300 PSI	43.5	2,615 fps	59,500 PSI	
	AR2208	.284"	3.330"	43.2	2,551 fps	53,200 PSI	46.0	2,685 fps	62,000 PSI	
	AR2209	.284"	3.330"	48.4	2,633 fps	54,100 PSI	51.5	2,747 fps	60,700 PSI	
	AR2213SC	.284"	3.330"	54.0	2,674 fps	55,000 PSI	57.5C	2,812 fps	62,000 PSI	
	AR2217	.284"	3.330"	57.3	2,672 fps	54,200 PSI	61.0C	2,808 fps	61,100 PSI	
162 GR. HDY BTSP	AR2206H	.284"	3.325"	40.9	2,535 fps	53,800 PSI	43.5	2,651 fps	61,400 PSI	
	AR2208	.284"	3.325"	42.6	2,570 fps	54,600 PSI	45.3	2,690 fps	62,000 PSI	
	AR2209	.284"	3.325"	47.6	2,629 fps	52,900 PSI	50.6	2,755 fps	60,800 PSI	
	AR2213SC	.284"	3.325"	53.0	2,662 fps	54,200 PSI	56.4	2,788 fps	61,400 PSI	
	AR2217	.284"	3.325"	56.8	2,653 fps	52,300 PSI	60.4	2,797 fps	61,300 PSI	
168 GR. SIE HPBT	AR2206H	.284"	3.330"	40.4	2,474 fps	52,300 PSI	43.0	2,595 fps	60,900 PSI	
	AR2208	.284"	3.330"	43.0	2,518 fps	53,700 PSI	46.0	2,667 fps	62,100 PSI	
	AR2209	.284"	3.330"	48.4	2,621 fps	54,500 PSI	51.5	2,734 fps	61,800 PSI	
	AR2213SC	.284"	3.330"	54.0	2,653 fps	55,100 PSI	57.7	2,779 fps	62,000 PSI	
	AR2217	.284"	3.330"	57.8	2,641 fps	52,500 PSI	61.5C	2,789 fps	61,100 PSI	
	AR2225	.284"	3.330"	59.0	2,652 fps	49,000 PSI	63.0C	2,831 fps	59,300 PSI	
175 GR. SFT SP	AR2209	.284"	3.270"	47.7	2,515 fps	54,700 PSI	50.7	2,626 fps	62,100 PSI	
	AR2213SC	.284"	3.270"	52.0	2,496 fps	51,900 PSI	55.5	2,651 fps	62,000 PSI	
	AR2217	.284"	3.270"	55.5	2,544 fps	52,700 PSI	59.0C	2,675 fps	61,100 PSI	
	AR2225	.284"	3.270"	56.7	2,604 fps	52,400 PSI	60.3C	2,743 fps	59,800 PSI	
				Case: F	Remington		Barrel le	ength: 24"		
7mm Rem. S.A. Ult	ra Man			Twist: 1	ŭ		Trim len	ngth: 2.025"		
////// Nem. S.A. Oit	ia iviag.				Remington 9	1/21/1		J		
				T minor.	Start loa			Maximum I	oodo	
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	1	
100 GR. HDY HP	AR2206H	.284"	2.700"	53.0	3,450 fps	53,900 PSI	57.0	<u> </u>	Pressure 62,800 PSI	
IVV GR. FIDT FIF	AR2208	.284"	2.700"			,		3,631 fps		
	AR2208 AR2209	.284"	2.700"	56.0 63.0	3,418 fps 3,424 fps	52,600 PSI 52,500 PSI	60.0 66.5C	3,626 fps 3,622 fps	63,000 PSI 63,100 PSI	
110 CD CDD TAIT UD										
110 GR. SPR TNT HP	AR2206H	.284"	2.730"	53.0	3,351 fps	55,400 PSI	56.5	3,494 fps	62,700 PSI	
	AR2208	.284"	2.730"	54.0	3,295 fps	52,500 PSI	59.0	3,513 fps	63,200 PSI	
445 CD CDD UD	AR2209	.284"	2.730"	61.0	3,263 fps	49,400 PSI	65.0	3,499 fps	62,600 PSI	
115 GR. SPR HP	AR2206H	.284"	2.650"	51.0	3,211 fps	55,700 PSI	54.0	3,336 fps	62,400 PSI	
	AR2208	.284"	2.650"	54.0	3,234 fps	54,300 PSI	58.0	3,402 fps	62,800 PSI	
	AR2209	.284"	2.650"	60.0	3,196 fps	51,100 PSI	64.0	3,413 fps	63,200 PSI	
	AR2213SC	.284"	2.650"	65.0	3,212 fps	53,800 PSI	68.0C	3,342 fps	61,400 PSI	

7mm Rem. S.A. Ultra Mag.

Case: Remington

Barrel length: 24"

Twist: 1:9.25"

Trim length: 2.025"

/IIIIII Rem. S.A. Uit	ra wag.							.g	
				Primer:	Remington 9	1/2M			
					Start load	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
120 GR. BAR TSX	AR2208	.284"	2.725"	51.0	3,120 fps	52,900 PSI	55.5	3,310 fps	62,500 PSI
	AR2209	.284"	2.725"	58.0	3,130 fps	51,300 PSI	63.2	3,375 fps	63,700 PSI
	AR2213SC	.284"	2.725"	63.0	3,077 fps	50,100 PSI	67.0C	3,243 fps	58,200 PSI
130 GR. SIE HPBT	AR2208	.284"	2.800"	51.0	3,057 fps	55,700 PSI	54.0	3,190 fps	62,900 PSI
	AR2209	.284"	2.800"	57.0	3,060 fps	53,700 PSI	60.5	3,222 fps	62,600 PSI
	AR2213SC	.284"	2.800"	61.0	3,017 fps	52,300 PSI	65.0	3,192 fps	62,600 PSI
140 GR. NOS BT	AR2208	.284"	2.825"	50.0	2,945 fps	56,500 PSI	53.5	3,068 fps	62,300 PSI
	AR2209	.284"	2.825"	56.0	2,910 fps	50,600 PSI	60.0	3,122 fps	63,200 PSI
	AR2213SC	.284"	2.825"	61.0	2,928 fps	52,800 PSI	64.5C	3,099 fps	63,100 PSI
145 GR. SPR HPBT	AR2208	.284"	2.750"	49.0	2,865 fps	56,100 PSI	52.5	2,999 fps	63,400 PSI
	AR2209	.284"	2.750"	55.0	2,943 fps	54,000 PSI	58.5	3,093 fps	62,800 PSI
	AR2213SC	.284"	2.750"	59.0	2,909 fps	52,300 PSI	63.0	3,094 fps	63,100 PSI
150 GR. SFT SCIR	AR2209	.284"	2.825"	53.5	2,837 fps	53,500 PSI	57.0	2,984 fps	62,800 PSI
	AR2213SC	.284"	2.825"	58.0	2,823 fps	52,800 PSI	61.5	2,987 fps	63,000 PSI
	AR2217	.284"	2.825"	66.0	2,873 fps	53,500 PSI	68.0C	2,967 fps	59,300 PSI
154 GR. HDY SP	AR2209	.284"	2.800"	53.0	2,805 fps	54,500 PSI	56.5	2,947 fps	62,900 PSI
	AR2213SC	.284"	2.800"	58.0	2,824 fps	55,000 PSI	61.5	2,947 fps	62,700 PSI
	AR2217	.284"	2.800"	65.0	2,866 fps	55,700 PSI	68.0C	2,960 fps	61,900 PSI
160 GR. NOS PART	AR2209	.284"	2.825"	53.0	2,774 fps	55,200 PSI	56.5	2,914 fps	63,100 PSI
	AR2213SC	.284"	2.825"	57.0	2,730 fps	53,800 PSI	60.5	2,900 fps	62,600 PSI
	AR2217	.284"	2.825"	63.0	2,772 fps	53,600 PSI	67.0C	2,931 fps	63,300 PSI
162 GR. HDY SPBT	AR2209	.284"	2.825"	52.0	2,760 fps	54,700 PSI	55.5	2,879 fps	62,500 PSI
	AR2213SC	.284"	2.825"	56.5	2,751 fps	55,100 PSI	60.0	2,887 fps	63,100 PSI
	AR2217	.284"	2.825"	64.0	2,793 fps	54,400 PSI	67.0C	2,902 fps	60,900 PSI
168 GR. SIE HPBT	AR2209	.284"	2.825"	51.0	2,666 fps	51,800 PSI	56.0	2,855 fps	62,900 PSI
	AR2213SC	.284"	2.825"	56.0	2,682 fps	52,400 PSI	60.5	2,848 fps	62,800 PSI
	AR2217	.284"	2.825"	64.0	2,770 fps	55,100 PSI	67.0C	2,874 fps	61,200 PSI
175 GR. HDY SP	AR2209	.284"	2.825"	50.0	2,619 fps	53,900 PSI	54.5	2,775 fps	63,100 PSI
	AR2213SC	.284"	2.825"	54.0	2,627 fps	54,300 PSI	58.0	2,760 fps	62,900 PSI
	AR2217	.284"	2.825"	61.0	2,658 fps	54,500 PSI	65.5C	2,817 fps	62,800 PSI
	AR2225	.284"	2.825"	62.0	2,686 fps	51,000 PSI	66.0C	2,863 fps	62,700 PSI

7mm Winchester Short Magnum

Case: Winchester Twist: 1:9.5" Barrel length: 24"
Trim length: 2.096"

Primer: Winchester LRM

				Filitier. Willichestei Ertivi					
					Start loa	ds	Maximum loads		
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
100 GR. BAR XFB	AR2206H	.284"	2.725"	54.0	3,442 fps	56,100 PSI	57.5	3,590 fps	62,500 PSI
	AR2208	.284"	2.725"	56.0	3,392 fps	54,100 PSI	60.5	3,588 fps	62,400 PSI
	AR2209	.284"	2.725"	65.0	3,388 fps	51,800 PSI	70.0	3,647 fps	63,200 PSI
110 GR. SPR TNT HP	Bench Mark 8208	.284"	2.830"	53.3	3,283 fps	55,200 PSI	56.7	3,435 fps	63,400 PSI
	AR2206H	.284"	2.830"	53.0	3,229 fps	52,500 PSI	57.0	3,417 fps	62,300 PSI
	AR2208	.284"	2.830"	56.0	3,320 fps	56,200 PSI	60.0	3,458 fps	62,500 PSI
	AR2209	.284"	2.830"	65.0	3,323 fps	52,600 PSI	70.0	3,553 fps	63,300 PSI
	AR2213SC	.284"	2.830"	68.0	3,225 fps	51,300 PSI	73.0	3,465 fps	62,600 PSI
115 GR. SPR HP	Bench Mark 8208	.284"	2.770"	50.8	3,147 fps	54,400 PSI	54.0	3,298 fps	62,700 PSI

7mm Winchester S	mm Winchester Short Magnum			Twist: 1	Vinchester :9.5" Winchester L	RM	Barrel length: 24" Trim length: 2.096"		
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
	AR2206H	.284"	2.770"	51.0	3,143 fps	54,700 PSI	55.0	3,309 fps	62,700 PSI
	AR2208	.284"	2.770"	54.0	3,220 fps	57,000 PSI	57.5	3,360 fps	63,800 PSI
	AR2209	.284"	2.770"	62.0	3,278 fps	56,400 PSI	66.5	3,441 fps	63,500 PSI
	AR2213SC	.284"	2.770"	65.0	3,179 fps	53,700 PSI	70.0	3,372 fps	62,900 PSI
120 GR. HDY V-MAX	Bench Mark 8208	.284"	2.825"	49.2	3,052 fps	54,800 PSI	52.3	3,202 fps	62,000 PSI
	AR2206H	.284"	2.825"	50.0	3,059 fps	51,600 PSI	54.0	3,262 fps	62,500 PSI
	AR2208	.284"	2.825"	53.0	3,155 fps	56,300 PSI	57.0	3,311 fps	63,500 PSI
	AR2209	.284"	2.825"	61.0	3,206 fps	54,800 PSI	65.5	3,387 fps	63,500 PSI
	AR2213SC	.284"	2.825"	65.0	3,159 fps	55,100 PSI	69.5	3,335 fps	63,400 PSI
130 GR. SIE HPBT	Bench Mark 8208	.284"	2.860"	48.7	2,972 fps	55,500 PSI	51.8	3,109 fps	63,000 PSI
	AR2206H	.284"	2.860"	49.0	2,969 fps	54,500 PSI	53.0	3,136 fps	63,000 PSI
	AR2208	.284"	2.860"	51.5	3,029 fps	56,200 PSI	55.2	3,183 fps	64,000 PSI
	AR2209	.284"	2.860"	57.0	3,048 fps	54,500 PSI	61.0	3,213 fps	62,800 PSI
	AR2213SC	.284"	2.860"	62.0	3,041 fps	55,000 PSI	66.0	3,202 fps	63,200 PSI
	AR2217	.284"	2.860"	67.0	3,018 fps	52,300 PSI	72.0C	3,208 fps	61,600 PSI
140 GR. NOS PART	Bench Mark 8208	.284"	2.850"	48.6	2,895 fps	55,700 PSI	51.7	3,026 fps	62,900 PSI
	AR2206H	.284"	2.850"	49.0	2,873 fps	54,100 PSI	52.3	3,024 fps	63,000 PSI
	AR2208	.284"	2.850"	51.0	2,909 fps	54,100 PSI	54.5	3,063 fps	62,600 PSI
	AR2209	.284"	2.850"	58.0	2,979 fps	53,700 PSI	61.5	3,133 fps	61,900 PSI
	AR2213SC	.284"	2.850"	62.0	2,957 fps	53,600 PSI	66.0	3,116 fps	62,000 PSI
	AR2217	.284"	2.850"	69.0	2,995 fps	53,400 PSI	72.0C	3,091 fps	59,000 PSI
	AR2225	.284"	2.850"	69.0	2,888 fps	47,100 PSI	72.0C	3,046 fps	54,300 PSI
145 GR. SPR BTSP	Bench Mark 8208	.284"	2.860"	47.4	2,761 fps	55,100 PSI	50.4	2,885 fps	62,400 PSI
	AR2206H	.284"	2.860"	47.0	2,779 fps	55,100 PSI	50.5	2,922 fps	62,300 PSI
	AR2208	.284"	2.860"	50.0	2,872 fps	57,100 PSI	53.3	3,001 fps	64,000 PSI
	AR2209	.284"	2.860"	55.0	2,898 fps	55,700 PSI	58.7	3,040 fps	62,600 PSI
	AR2213SC	.284"	2.860"	59.0	2,890 fps	55,800 PSI	63.0	3,044 fps	63,400 PSI
	AR2217	.284"	2.860"	65.0	2,904 fps	54,000 PSI	70.0C	3,082 fps	62,900 PSI
150 GR. WIN SP	Bench Mark 8208	.284"	2.850"	47.9	2,803 fps	55,500 PSI	51.0	2,922 fps	62,200 PSI
	AR2206H	.284"	2.840"	48.0	2,782 fps	54,000 PSI	51.5	2,930 fps	62,300 PSI
	AR2208	.284"	2.840"	51.0	2,852 fps	55,700 PSI	55.0	3,000 fps	63,400 PSI
	AR2209	.284"	2.840"	59.0	2,923 fps	54,600 PSI	63.0	3,080 fps	62,900 PSI
	AR2213SC	.284"	2.840"	63.0	2,902 fps	53,700 PSI	67.3	3,066 fps	62,500 PSI
	AR2217	.284"	2.840"	68.0	2,899 fps	51,300 PSI	72.0C	3,031 fps	58,600 PSI
	AR2225	.284"	2.840"	68.0	2,824 fps	45,600 PSI	72.0C	2,987 fps	53,000 PSI
154 GR. HDY SP	Bench Mark 8208	.284"	2.860"	46.2	2,683 fps	54,200 PSI	49.7	2,824 fps	63,200 PSI
	AR2206H	.284"	2.860"	46.0	2,658 fps	55,200 PSI	49.5	2,799 fps	63,000 PSI
	AR2208	.284"	2.860"	48.0	2,705 fps	55,000 PSI	52.0	2,854 fps	62,800 PSI
	AR2209	.284"	2.860"	54.0	2,775 fps	54,500 PSI	57.7	2,920 fps	62,600 PSI
	AR2213SC	.284"	2.860"	58.0	2,779 fps	54,100 PSI	62.5	2,942 fps	62,900 PSI
	AR2217	.284"	2.860"	64.0	2,831 fps	55,100 PSI	68.5C	2,975 fps	62,500 PSI
	AR2225	.284"	2.860"	66.0	2,833 fps	50,000 PSI	71.0C	3,040 fps	61,700 PSI
160 GR. SFT SP	AR2206H	.284"	2.850"	46.0	2,614 fps	52,500 PSI	49.0	2,762 fps	62,600 PSI
	AR2208	.284"	2.850"	48.0	2,676 fps	54,100 PSI	51.3	2,823 fps	62,100 PSI
	AR2209	.284"	2.850"	56.0	2,782 fps	54,600 PSI	59.5	2,918 fps	62,200 PSI

				Case: V	Vinchester		Barrel le	ength: 24"	
7mm Winchester Sh	nort Magnum			Twist: 1	:9.5"		Trim len	ngth: 2.096"	
	_			Primer:	Winchester L	RM			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
	AR2213SC	.284"	2.850"	59.0	2,757 fps	54,200 PSI	63.5	2,921 fps	62,600 PSI
	AR2217	.284"	2.850"	65.0	2,801 fps	54,300 PSI	69.5C	2,956 fps	62,800 PSI
	AR2225	.284"	2.850"	66.0	2,793 fps	51,200 PSI	70.0C	2,958 fps	59,800 PSI
162 GR. HDY BTSP	AR2206H	.284"	2.860"	46.0	2,645 fps	54,800 PSI	49.0	2,773 fps	62,700 PSI
	AR2208	.284"	2.860"	48.0	2,691 fps	54,900 PSI	51.5	2,830 fps	62,900 PSI
	AR2209	.284"	2.860"	54.0	2,759 fps	53,700 PSI	58.0	2,909 fps	62,900 PSI
	AR2213SC	.284"	2.860"	58.0	2,772 fps	55,500 PSI	62.0	2,915 fps	62,800 PSI
	AR2217	.284"	2.860"	64.0	2,816 fps	55,600 PSI	69.0C	2,969 fps	63,400 PSI
	AR2225	.284"	2.860"	66.0	2,836 fps	53,300 PSI	70.5C	3,007 fps	62,500 PSI
168 GR. SIE HPBT	AR2206H	.284"	2.850"	46.0	2,615 fps	55,000 PSI	48.7	2,732 fps	62,600 PSI
	AR2208	.284"	2.850"	48.0	2,666 fps	55,100 PSI	51.0	2,788 fps	63,200 PSI
	AR2209	.284"	2.850"	55.0	2,747 fps	55,900 PSI	58.5	2,865 fps	62,300 PSI
	AR2213SC	.284"	2.850"	59.0	2,759 fps	56,200 PSI	63.0	2,892 fps	63,400 PSI
	AR2217	.284"	2.850"	65.0	2,759 fps	54,000 PSI	69.0C	2,907 fps	61,600 PSI
	AR2225	.284"	2.850"	66.0	2,757 fps	50,900 PSI	70.0C	2,921 fps	59,500 PSI
175 GR. SPR MAG TIP	AR2209	.284"	2.760"	49.0	2,545 fps	55,500 PSI	52.5	2,672 fps	62,200 PSI
	AR2213SC	.284"	2.760"	54.0	2,618 fps	58,100 PSI	57.5	2,733 fps	63,900 PSI
	AR2217	.284"	2.760"	58.0	2,635 fps	56,600 PSI	62.0C	2,764 fps	63,100 PSI
	AR2225	.284"	2.760"	60.0	2,651 fps	53,000 PSI	64.0C	2,800 fps	61,200 PSI
				Const		l	Downlie	months O.4!	l
	_			Case: Barrel length: 24"					
7 x 61mm Sharp & F	lart			Twist: -			Trim len	igtn: -	
				Primer:					
	·		T		Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
120 GR.	AR2206	-	-	-	-	-	54.5	3,250 fps	-
	AR2208	-	-	-	-	-	57.5	3,250 fps	-
	AR2209	-	-	-	-	-	64.0	3,250 fps	-
139-140 GR.	AR2206	-	-	-	-	-	53.0	3,100 fps	-
	AR2208	-	-	-	-	-	56.0	3,100 fps	-
	AR2209	-	-	-	-	-	62.5	3,100 fps	-
150 GR.	AR2206	-	-	-	-	-	52.0	3,000 fps	-
	AR2208	-	-	-	-	-	55.0	3,000 fps	-
	AR2209	-	-	-	-	-	61.5	3,000 fps	-
160-162 GR.	AR2206	-	-	-	-	-	51.0	2,800 fps	-
	AR2208	-	-	-	-	-	54.0	2,800 fps	-
	AR2209	-	-	-	-	-	60.5	2,800 fps	-
175 GR.	AR2208	-	-	-	-	-	52.0	2,700 fps	-
	AR2209	-	-	-	-	-	59.0	2,700 fps	-

Case: Winchester Barrel length: 24" Twist: 1:95" Trim length: 2.490" 7mm Remington Magnum Primer: Winchester LR Start loads Maximum loads **Bullet** Powder Bullet Diam. C.O.L. Grs. Velocity **Pressure** Grs. Velocity Pressure AR2208 100 GR. SIE HP 284 3.150" 53.0 3,193 fps 39.600 CUP 590 3,487 fps 49.800 CUP 44.800 CUP 49.600 CUP AR2209 284" 3 150" 65.0 3,334 fps 690 3,494 fps 3 150" 71.0 3,316 fps 43,300 CUP 75.0 3.499 fps 50.300 CUP AR2213SC 284' 110 GR. SPR HP .284" 3.250" 54.0 3,174 fps 44,600 CUP 58.5 50,300 CUP AR2208 3,356 fps AR2209 284' 3 250" 65.0 3,233 fps 44,700 CUP 68.5 3,357 fps 49,500 CUP AR2213SC .284" 3.250" 68.0 44.000 CUP 49.700 CUP 3,213 fps 730 3,367 fps 115 GR. SPR HP .284 44,800 CUP 3,245 fps 49,800 CUP AR2208 3.200" 53.0 3,068 fps 56.5 AR2209 .284" 3.200" 62.0 3,089 fps 43,800 CUP 66.0 3,281 fps 50,300 CUP 50,600 CUP 65.0 44.200 CUP AR2213SC .284 3.200" 3,060 fps 69.7 3,257 fps 120 GR HDY SP AR2208 .284" 3.230" 53.0 3,021 fps 45,200 CUP 57.0 3,218 fps 50.900 CUP AR2209 284' 3 230" 620 3,106 fps 44,700 CUP 65.0 50.100 CUP 3,226 fps 45.800 CUP AR2213SC 284" 65.0 68.5 50,600 CUP 3 230" 3.095 fps 3.236 fps 130 GR. SPR SP 3.185" 45.700 CUP AR2208 .284' 51.0 54.0 2,998 fps 49.400 CUP 2.877 fps AR2209 .284" 3.185" 58.0 2,953 fps 45,100 CUP 61.5 3,082 fps 50,800 CUP AR2213SC 284' 3.185" 63.0 2,952 fps 46,300 CUP 66.0 3,051 fps 50,200 CUP 139 GR. HDY GMX AR2209 .284" 3.290" 56.1 2,834 fps 45,300 PSI 59.7 3,007 fps 57,800 PSI AR2213SC .284" 3.290" 64.5 50,200 PSI 68.8 3,054 fps 58,100 PSI 2.878 fps 3.290" AR2217 .284 67.5 2,847 fps 46,300 PSI 73.0C 3,065 fps 56.000 PSI AR2225 284 3 290" 68.0 2.869 fps 45 500 PSI 74.0C 3,128 fps 58 400 PSI 140 GR. NOS PART Trail Boss 284' 3 250" 172 1,405 fps 21.400 PSI 245 1,724 fps 31.000 PSI 45.500 CUP 2,927 fps AR2209 .284' 3.250" 56.0 2.808 fps 59.0 50.000 CUP AR2213SC .284" 3.250" 61.0 2,841 fps 46,300 CUP 64.0 2,950 fps 50,200 CUP AR2217 284' 3 250" 67.0 2,934 fps 46 200 CUP 70.0 3,036 fps 50,600 CUP AR2225 .284" 3.250" 71.0 2,955 fps 46,100 CUP 75.0C 3,107 fps 49,400 CUP 150 GR, BAR TTSX BT AR2209 .284" 3.225" 57.9 2,836 fps 50,800 PSI 62.5 3,041 fps 59,800 PSI AR2213SC 284" 3 225" 627 2,852 fps 50,600 PSI 68.0 3,080 fps 60,200 PSI 67.2 73.8 AR2217 284' 3 225" 49,200 PSI 59,100 PSI 2,847 fps 3,083 fps 73.5C 3.225" 66.9 47,900 PSI 57.200 PSI AR2225 .284" 2,895 fps 3,115 fps 150 GR. NOS PART AR2209 .284 3.270" 55.0 2,781 fps 45,700 CUP 57.0 2,859 fps 50,100 CUP .284" 59.0 45.300 CUP 62.0 51.100 CUP AR2213SC 3 270" 2 775 fps 2 986 fps AR2217 284' 3.270" 65.0 2,835 fps 46,200 CUP 68.0 2,936 fps 49,900 CUP .284" 68.0 43,300 CUP 72.5C 50,300 CUP AR2225 3.270" 2,818 fps 2,998 fps 160 GR. NOS PART AR2209 .284" 3.290" 53.0 46,400 CUP 55.5 49,800 CUP 2.651 fps 2.745 fps AR2213SC 284" 3 290" 58.0 2,695 fps 46,400 CUP 60.0 2,787 fps 49,800 CUP 66.0 AR2217 284' 3 290" 63.0 2,729 fps 43,300 CUP 2,839 fps 49.600 CUP .284" AR2225 3.290" 65.0 43,200 CUP 69.5C 2,915 fps 49,900 CUP 2,756 fps 162 GR. HDY SPBT AR2209 .284 3.290" 55.0 43.400 CUP 58.0 2,799 fps 49.400 CUP 2.677 fps AR2213SC 3.290" 43.300 CUP 284' 60.0 2,731 fps 64 0 2,871 fps 49 800 CUP AR2217 .284" 3.290" 67.0 2,800 fps 45,400 CUP 70.0 2,905 fps 49,600 CUP AR2225 .284" 3.290" 69.0 2,787 fps 43,900 CUP 73.5C 2,963 fps 50,500 CUP 170 GR. SIE RN AR2209 .284" 3.270" 58.0 44.600 CUP 60.0 48.500 CUP 2,701 fps 2 767 fps AR2213SC 284" 3.270" 63.0 2,749 fps 46,300 CUP 65.0 2,806 fps 48,900 CUP AR2217 .284" 3.270" 69.0 2,744 fps 45,600 CUP 71.0 2,806 fps 49,400 CUP

175 GR. NOS PART

AR2225

AR2209

.284"

284'

3.270"

3 290"

71.0

510

2,752 fps

2 504 fps

44.200 CUP

46 200 CUP

75.0C

540

2,899 fps

2 617 fps

50,700 CUP

51 400 CUP

				Case: V	/inchester		Barrel le	ength: 24"	
7mm Remington M	agnum			Twist: 1				igth: 2.490"	
/ I I I I Remington W	agnum			Primer	Winchester L	R		J	
				T IIIIICI.			1	Maximum I	anda .
D. II-4	Dden	D. H. A. Diama	001	0	Start loa	1	0	1	I
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
	AR2213SC	.284"	3.290"	55.0	2,532 fps	45,800 CUP	58.0	2,660 fps	50,200 CUP
	AR2217	.284"	3.290"	61.0	2,567 fps	45,000 CUP	64.5	2,692 fps	50,400 CUP
	AR2225	.284"	3.290"	64.0	2,650 fps	45,400 CUP	68.0	2,800 fps	51,200 CUP
180 GR. BER VLD	AR2209	.284"	3.290"	52.0	2,553 fps	48,000 PSI	56.0	2,752 fps	59,000 PSI
	AR2213SC	.284"	3.290"	58.6	2,652 fps	51,800 PSI	64.5	2,830 fps	60,200 PSI
	AR2217	.284"	3.290"	63.2	2,605 fps	46,000 PSI	69.5C	2,884 fps	60,000 PSI
	AR2225	.284"	3.290"	64.4	2,638 fps	46,400 PSI	70.8C	2,914 fps	59,600 PSI
				Case: R	emington		Barrel le	ength: 24"	
7mm Weatherby Ma	agnum			Twist: 1	:10"		Trim len	gth: 2.539"	
Timin Woddiolog in	ugi uiii			Primer:	Federal 215N	1			
					Start loa			Maximum I	nade
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
140 GR. SFT SP	Trail Boss	.284"	3.250"	18.5	1,365 fps	22,700 CUP	26.5	1,529 fps	30,500 CUP
140 010.01 1 01	AR2209	.284"	3.250"	64.0	3,046 fps	43,800 CUP	68.5	3,248 fps	54,000 CUP
	AR2213SC	.284"	3.250"	69.0	3,023 fps	43,600 CUP	74.0	3,258 fps	54,000 CUP
	AR22133C AR2217	.284"	3.250"	75.0		42,800 CUP	79.0C		49,900 CUP
150 GR. NOS PART	AR2217 AR2209	.284"			3,104 fps			3,273 fps	
150 GR. NOS PART	AR2213SC		3.250"	64.0	3,012 fps	45,800 CUP	68.0	3,180 fps	54,000 CUP
	AR22135C AR2217	.284"	3.250"	68.0 75.0	2,973 fps 3,073 fps	44,800 CUP 45,400 CUP	72.0 79.0C	3,152 fps 3,223 fps	53,500 CUP 52,200 CUP
160 GR. BAR TTSX	AR2217 AR2209	.284"	3.250"	55.0	2,723 fps	48,500 CUP	61.5	2,960 fps	55,300 CUP
100 GR. DAR 113X	AR2213SC	.284"	3.250"	62.0	2,723 lps 2,759 fps	48,300 CUP	69.0C	3,001 fps	55,000 CUP
	AR22133C AR2217	.284"	3.250"	68.0	2,739 lps 2,778 fps	45,600 CUP	75.0C	3,001 lps	54,800 CUP
175 GR. HDY SP	AR2217 AR2209	.284"	3.350"	60.0	2,775 fps	45,900 CUP	63.7	2,899 fps	53,600 CUP
173 GR. HDT SF	AR2213SC	.284"	3.350"	63.0		43,500 CUP	67.5	2,895 fps	53,400 CUP
	AR2217	.284"	3.350"	70.0	2,724 fps 2,844 fps	45,000 CUP	74.7C	3,022 fps	54,000 CUP
180 GR. BER VLD	AR2209	.284"	3.350"	55.4	2,630 fps	44,400 CUP	60.3	2,840 fps	53.900 CUP
100 GIV. DEIX VED	AR2213SC	.284"	3.350"	60.3	2,647 fps	42,800 CUP	66.3	2,877 fps	53,600 CUP
	AR2217	.284"	3.350"	66.3	2,733 fps	44,400 CUP	72.1C	2,939 fps	53,600 CUP
	AIVEETT	.204	3.330	00.5	2,755 lps	44,400 COI	72.10	2,909 109	33,000 COI
				Case: F	ederal		Barrel le	ength: 24"	
7mm Shooting Tim	es Westerner			Twist: 1	:10"		Trim len	igth: 2.840"	
				Primer:	Federal 215				
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
120 GR. SIE SP	AR2209	.284"	3.585"	69.0	3,185 fps	45,400 CUP	73.0	3,350 fps	52,300 CUP
	AR2213SC	.284"	3.585"	75.0	3,200 fps	46,300 CUP	78.5	3,348 fps	51,900 CUP
	AR2217	.284"	3.585"	82.0	3,255 fps	45,300 CUP	86.0	3,405 fps	51,800 CUP
	7112211	1			3,330 fps	47,900 CUP	89.5C	3,519 fps	54,300 CUP
	AR2225	.284"	3.585"	85.0	0,000 ip3	17,000 001	00.00	3,3 19 lps	34,300 COF
139 GR. HDY SPBT		.284"	3.585" 3.585"	69.0	3,079 fps	46,700 CUP	71.0	3,183 fps	•
139 GR. HDY SPBT	AR2225								52,300 CUP
139 GR. HDY SPBT	AR2225 AR2209	.284"	3.585"	69.0 72.0	3,079 fps 3,018 fps	46,700 CUP	71.0	3,183 fps 3,181 fps	52,300 CUP 51,900 CUP
139 GR. HDY SPBT	AR2225 AR2209 AR2213SC	.284"	3.585" 3.585"	69.0	3,079 fps 3,018 fps 3,119 fps	46,700 CUP 44,400 CUP 46,400 CUP	71.0 76.5 85.5	3,183 fps 3,181 fps 3,284 fps	52,300 CUP 51,900 CUP 52,300 CUP
139 GR. HDY SPBT	AR2225 AR2209 AR2213SC AR2217	.284" .284" .284"	3.585" 3.585" 3.585"	69.0 72.0 81.0	3,079 fps 3,018 fps	46,700 CUP 44,400 CUP	71.0 76.5	3,183 fps 3,181 fps	52,300 CUP 51,900 CUP

AR2225

.284"

3.565"

77.0

3,052 fps

48,000 CUP

3,195 fps

53,700 CUP

81.5C

					ederal		Barrel length: 24"			
7mm Shooting Times	s Westerner			Twist: 1	:10"			gth: 2.840"		
min oncoming rand	o westerner			Primer:	Federal 215					
					Start loa	ds		Maximum I	oads	
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure	
150 GR. BAR TSX	AR2213SC	.284"	3.530"	65.0	2,842 fps	47,100 CUP	70.0	3,022 fps	53,100 CUP	
	AR2217	.284"	3.530"	71.0	2,889 fps	45,000 CUP	76.0C	3,038 fps	51,600 CUP	
	AR2225	.284"	3.530"	71.0	2,929 fps	46,200 CUP	77.0C	3,140 fps	53,500 CUP	
	AR2218	.284"	3.530"	80.0	2,908 fps	46,600 CUP	84.0C	3,005 fps	49,500 CUP	
160 GR. SFT SP	AR2213SC	.284"	3.565"	70.0	2,884 fps	45,900 CUP	74.0	3,037 fps	52,300 CUP	
	AR2217	.284"	3.565"	76.0	2,930 fps	44,300 CUP	80.7	3,084 fps	51,500 CUP	
	AR2225	.284"	3.565"	75.0	2,909 fps	46,700 CUP	80.2	3,056 fps	53,600 CUP	
	AR2218	.284"	3.565"	88.0	2,929 fps	46,100 CUP	90.0C	2,970 fps	46,600 CUP	
175 GR. NOS PART	AR2217	.284"	3.585"	70.0	2,833 fps	47,700 CUP	74.0	2,944 fps	51,900 CUP	
	AR2225	.284"	3.585"	72.0	2,819 fps	48,300 CUP	77.0	2,967 fps	54,200 CUP	
	AR2218	.284"	3.585"	85.0	2,851 fps	46,900 CUP	89.0C	2,973 fps	52,300 CUP	
180 GR. BER VLD	AR2217	.284"	3.655"	70.0	2,771 fps	48,800 CUP	74.5	2,892 fps	53,300 CUP	
	AR2225	.284"	3.655"	69.3	2,760 fps	49,700 CUP	73.8	2,876 fps	53,500 CUP	
	AR2218	.284"	3.655"	80.8	2,772 fps	48,800 CUP	86.0C	2,894 fps	52,400 CUP	
						·		4 04		
					Remington			ength: 24"		
7mm Remington Ultr	a Magnum			Twist: 1			i rim len	gth: 2.840"		
				Primer:	Remington 9	1/2M				
					Start loa	ds		Maximum I	oads	
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure	
100 GR. HDY HP	AR2209	.284"	3.500"	82.0	3,618 fps	55,500 PSI	87.0	3,804 fps	63,300 PSI	
	AR2213SC	.284"	3.500"	90.0	3,585 fps	55,900 PSI	95.0	3,754 fps	62,800 PSI	
	AR2217	.284"	3.500"	98.0	3,515 fps	52,200 PSI	104.0C	3,750 fps	62,700 PSI	
110 GR. SPR TNT HP	AR2209	.284"	3.500"	82.0	3,519 fps	56,000 PSI	86.0	3,675 fps	63,200 PSI	
	AR2213SC	.284"	3.500"	88.0	3,431 fps	53,500 PSI	93.5	3,652 fps	63,000 PSI	
	AR2217	.284"	3.500"	96.0	3,437 fps	52,100 PSI	102.0	3,676 fps	62,600 PSI	
115 GR. SPR HP	AR2209	.284"	3.450"	82.0	3,472 fps	57,600 PSI	85.5	3,592 fps	63,400 PSI	
	AR2213SC	.284"	3.450"	87.0	3,364 fps	54,000 PSI	91.5	3,565 fps	62,800 PSI	
	AR2217	.284"	3.450"	95.0	3,380 fps	54,500 PSI	101.0	3,589 fps	63,100 PSI	
	AR2225	.284"	3.450"	98.0	3,398 fps	54,100 PSI	104.0C	3,683 fps	64,100 PSI	
120 GR. NOS BT	AR2209	.284"	3.600"	81.0	3,475 fps	59,700 PSI	83.0	3,552 fps	62,900 PSI	
	AR2213SC	.284"	3.600"	85.0	3,344 fps	54,600 PSI	90.0	3,536 fps	63,000 PSI	
	AR2217	.284"	3.600"	94.0	3,368 fps	54,600 PSI	99.5	3,572 fps	63,100 PSI	
	AR2225	.284"	3.600"	96.0	3,326 fps	52,100 PSI	102.5C	3,601 fps	62,300 PSI	
130 GR. BAR XBT	AR2213SC	.284"	3.560"	83.0	3,235 fps	55,600 PSI	88.0	3,412 fps	63,100 PSI	
	AR2217	.284"	3.560"	90.0	3,224 fps	53,700 PSI	95.5	3,430 fps	62,900 PSI	
	AR2225	.284"	3.560"	93.0	3,223 fps	52,400 PSI	99.5C	3,514 fps	63,600 PSI	
	AR2218	.284"	3.560"	102.0	3,289 fps	56,900 PSI	107.0C	3,413 fps	62,300 PSI	
140 GR. BAR XBT	AR2213SC	.284"	3.560"	82.0	3,123 fps	56,200 PSI	87.0	3,279 fps	63,100 PSI	
	AR2217	.284"	3.560"	90.0	3,196 fps	59,300 PSI	95.0	3,277 fps	62,700 PSI	
	AR2225	.284"	3.560"	90.0	3,142 fps	55,200 PSI	96.5C	3,353 fps	62,900 PSI	
					0.000 5	E4 200 DCI	107.0C	2 271 foo	62,400 PSI	
	AR2218	.284"	3.560"	101.0	3,092 fps	54,200 PSI	107.00	3,271 fps	02,700101	
145 GR. SPR GSSP	AR2218 AR2213SC	.284"	3.560" 3.580"	101.0 83.0	3,092 tps 3,125 fps	55,400 PSI	88.0	3,302 fps	63,400 PSI	
145 GR. SPR GSSP						•				
145 GR. SPR GSSP	AR2213SC	.284"	3.580"	83.0	3,125 fps	55,400 PSI	88.0	3,302 fps	63,400 PSI	

				Case: R	Remington		Barrel le	ength: 24"	
7mm Remington U	lltra Magnum			Twist: 1	1:9.5"		Trim len	gth: 2.840"	
7111111 Cillington C	na magnam			Primer:	Remington 9	1/2M		_	
					Start loa			Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
150 GR. SFT SCIR	AR2213SC	.284"	3.600"	82.0	3,146 fps	61,900 PSI	84.0	3,187 fps	63,100 PSI
	AR2217	.284"	3.600"	87.0	3,045 fps	54,400 PSI	92.0	3,230 fps	63,100 PSI
	AR2225	.284"	3.600"	89.0	3,054 fps	53,000 PSI	95.0C	3,299 fps	63,600 PSI
	AR2218	.284"	3.600"	97.0	3,048 fps	55,000 PSI	103.0C	3,222 fps	63,200 PSI
154 GR. HDY SP	AR2217	.284"	3.630"	85.0	3,051 fps	56,700 PSI	90.0	3,192 fps	63,300 PSI
	AR2225	.284"	3.630"	90.0	3,055 fps	53,400 PSI	96.2	3,289 fps	63,900 PSI
	AR2218	.284"	3.630"	94.0	2,989 fps	54,800 PSI	100.0C	3,170 fps	63,100 PSI
160 GR. NOS PART	AR2217	.284"	3.600"	85.0	3,007 fps	56,500 PSI	91.0	3,167 fps	63,500 PSI
	AR2225	.284"	3.600"	88.0	3,003 fps	53.700 PSI	94.0	3,212 fps	62,800 PSI
	AR2218	.284"	3.600"	94.0	2,985 fps	55,600 PSI	100.0	3,144 fps	63,400 PSI
162 GR. HDY SPBT	AR2217	.284"	3.650"	84.0	2,993 fps	55,600 PSI	89.0	3,127 fps	62,500 PSI
	AR2225	.284"	3.650"	89.0	3,009 fps	53,100 PSI	95.0	3,223 fps	62,700 PSI
	AR2218	.284"	3.650"	94.0	2,979 fps	56,000 PSI	100.0	3,119 fps	62,600 PSI
168 GR. SIE HPBT	AR2217	.284"	3.650"	85.0	2,988 fps	57,500 PSI	90.0	3,116 fps	63,500 PSI
100 014 012 111 21	AR2225	.284"	3.650"	89.0	2,986 fps	54,400 PSI	94.0	3,171 fps	63,300 PSI
	AR2218	.284"	3.650"	94.0	2,942 fps	55,600 PSI	100.0	3,118 fps	63,400 PSI
175 GR. SFT SP	AR2217	.284"	3.600"	82.0	2,871 fps	56,700 PSI	87.0	3,021 fps	63,500 PSI
170 012 01 1 01	AR2225	.284"	3.600"	86.0	2,919 fps	57,300 PSI	91.5	3,069 fps	63,400 PSI
	AR2218	.284"	3.600"	91.0	2,888 fps	57,000 PSI	96.0	3,019 fps	63,100 PSI
	74 (2210	.201	0.000	01.0	2,000 100	07,000 1 01		, ,	00,1001 01
				Case:				ength: 21"	
7.35mm Carcano (1938)			Twist: -			Trim len	igth: -	
				Primer:					
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
128 GR.	AR2207	-	-	-	-	-	33.0	2,500 fps	-
	AR2206	-	-	-	-	-	37.0	2,500 fps	-
	AR2208	-	-	-	-	-	41.0	2,500 fps	-
150 GR.	AR2206	-	-	-	-	-	35.0	2,450 fps	-
	AR2208	-	-	-	-	-	39.0	2,450 fps	-
				Caso: V	Vinchester		Barrol lo	ength: 20"	
00.0				Twist: 1				ngth: 1.285"	
30 Carbine (30 M1	Carbine)							igui. 1.200	
				Primer:	CCI 400		ı		
			T		Start loa			Maximum I	ı
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
85 GR. SIE RN	AR2205	.308"	1.625"	14.5	2,054 fps	25,200 CUP	15.5C	2,181 fps	30,700 CUP
100 GR. SPR SP	AR2205	.308"	1.625"	13.0	1,879 fps	28,900 CUP	14.5C	2,026 fps	33,600 CUP
110 GR. HDY JRN	AR2205	.308"	1.680"	13.0	1,826 fps	30,100 CUP	14.5C	2,003 fps	38,800 CUP

300 AAC Blackout

Case: Remington

Barrel length: 16"
Trim length: 1.363"

Twist: 1:8"

Primer: Remington 7 1/2

		•			Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
110 GR. HDY V-MAX	Trail Boss	.308"	2.040"	4.5	880 fps	21,900 CUP	6.3	1,046 fps	20,200 CUP
	AR2205	.308"	2.040"	17.6	1,942 fps	36,500 CUP	19.5C	2,130 fps	46,700 CUP
115 GR. BER TGT FB	Trail Boss	.308"	2.050"	4.5	894 fps	23,200 CUP	6.3	1,044 fps	19,900 CUP
	AR2205	.308"	2.050"	17.6	1,934 fps	36,800 CUP	19.5C	2,110 fps	47,000 CUP
125 GR. NOS BT	AR2205	.308"	2.060"	16.5	1,818 fps	38,000 CUP	17.7C	1,965 fps	49,800 CUP
130 GR. SPR HP	AR2205	.308"	2.005"	18.0	1,902 fps	41,900 CUP	19.2	2,008 fps	47,600 CUP
135 GR. SIE HPBT	AR2205	.308"	2.120"	17.1	1,818 fps	39,700 CUP	18.2	1,960 fps	47,600 CUP
175 GR. SIE HPBT	AR2205	.308"	2.215"	15.7	1,639 fps	41,400 CUP	16.7	1,709 fps	48,200 CUP
180 GR. SPR SP	AR2205	.308"	2.210"	15.0	1,497 fps	34,900 CUP	16.4	1,662 fps	47,700 CUP
	AR2207	.308"	2.210"	15.9	1,464 fps	23,500 CUP	16.9C	1,578 fps	29,200 CUP
208 GR. HDY A-MAX	AR2205	.308"	2.260"	1	-	-	10.3	1,073 fps	24,500 CUP
	AR2207	.308"	2.260"	-	-	-	11.2	1,042 fps	18,800 CUP
220 GR. SIE HPBT	AR2205	.308"	2.260"	1	-	-	10.5	1,044 fps	28,800 CUP
	AR2207	.308"	2.260"	1	-	-	11.5	1,068 fps	25,600 CUP
230 GR. BER TACT	AR2205	.308"	2.260"	1	-	-	10.2	1,065 fps	37,100 CUP

30-30 Winchester

Case: Winchester
Twist: 1:12"

Primer: Winchester LR

Barrel length: 24"
Trim length: 2.030"

z miniengui: 2.0

NOTE: See Single Action Rifle section for more loads with lead bullets.

					Start loa	ds	Maximum loads			
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure	
110 GR. SPR FP	AR2207	.308"	2.415"	23.0	2,174 fps	27,100 CUP	25.5	2,409 fps	35,900 CUP	
	Bench Mark 2	.308"	2.415"	30.5	2,406 fps	36,400 CUP	32.5	2,507 fps	37,800 CUP	
	AR2206H	.308"	2.415"	34.0	2,417 fps	28,600 CUP	37.0	2,605 fps	31,100 CUP	
	AR2208	.308"	2.415"	34.5	2,365 fps	27,200 CUP	38.0C	2,572 fps	31,900 CUP	
130 GR. SPR FP	AR2207	.308"	2.540"	22.5	2,082 fps	29,200 CUP	24.5	2,234 fps	36,400 CUP	
	Bench Mark 2	.308"	2.540"	27.7	2,165 fps	33,700 CUP	29.7	2,295 fps	37,100 CUP	
	AR2206H	.308"	2.540"	31.5	2,248 fps	27,600 CUP	35.0	2,482 fps	35,300 CUP	
	AR2208	.308"	2.540"	32.5	2,312 fps	30,200 CUP	36.0C	2,496 fps	35,700 CUP	
140 GR. HDY MFTX	Bench Mark 2	.308"	2.550"	24.0	1,839 fps	26,400 PSI	28.0	2,160 fps	38,800 PSI	
	AR2206H	.308"	2.550"	26.0	2,077 fps	36,800 PSI	29.7	2,273 fps	40,300 PSI	
	AR2208	.308"	2.550"	27.0	1,986 fps	31,600 PSI	30.5C	2,225 fps	39,900 PSI	
150 GR. SIE FN	AR2207	.308"	2.550"	21.6	1,924 fps	26,900 CUP	24.0	2,110 fps	36,800 CUP	
	Bench Mark 2	.308"	2.550"	27.0	2,042 fps	32,100 CUP	29.0	2,183 fps	37,200 CUP	
	Bench Mark 8208	.308"	2.550"	30.0	2,213 fps	35,000 CUP	32.0	2,316 fps	36,700 CUP	
	AR2206H	.308"	2.550"	30.5	2,138 fps	27,900 CUP	34.0	2,390 fps	36,700 CUP	
	AR2208	.308"	2.550"	31.0	2,172 fps	31,100 CUP	34.5	2,349 fps	36,200 CUP	
160 GR. HDY FTX	Bench Mark 2	.308"	2.550"	26.1	1,933 fps	31,000 CUP	27.8	2,045 fps	35,400 CUP	
	Bench Mark 8208	.308"	2.550"	27.0	2,045 fps	33,900 CUP	30.0	2,207 fps	37,000 CUP	
	AR2206H	.308"	2.550"	27.8	2,045 fps	31,100 CUP	30.0	2,200 fps	35,500 CUP	
	AR2208	.308"	2.550"	29.8	2,081 fps	31,700 CUP	32.4	2,235 fps	35,900 CUP	
170 GR. SIE FP	AR2207	.308"	2.550"	20.5	1,764 fps	27,300 CUP	22.5	1,918 fps	32,600 CUP	
	Bench Mark 2	.308"	2.550"	25.3	1,894 fps	32,200 CUP	27.0	2,001 fps	36,100 CUP	
	Bench Mark 8208	.308"	2.550"	27.8	2,052 fps	36,400 CUP	30.9	2,181 fps	37,500 CUP	

30-30 Winchester

Case: Winchester

Barrel length: 24"

Trim length: 2.030"

Twist: 1:12"

Primer: Winchester LR

NOTE: See Single Action Rifle section for more loads with lead bullets.

					Start load	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
	AR2206H	.308"	2.550"	27.5	1,947 fps	28,200 CUP	30.5	2,138 fps	35,200 CUP
	AR2208	.308"	2.550"	29.5	1,976 fps	30,200 CUP	33.0	2,168 fps	36,500 CUP

30 AR Remington

Case: Remington

Barrel length: 24"

Twist: 1:10"

Trim length: 1.520"

Primer: Remington 7 1/2

					Start load	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
110 GR. HDY V-MAX	AR2207	.308"	2.240"	32.0	2,794 fps	37,700 PSI	35.5C	3,076 fps	50,800 PSI
115 GR. BER TGT FB	AR2207	.308"	2.240"	32.0	2,717 fps	35,900 PSI	36.0	3,035 fps	50,900 PSI
	AR2219	.308"	2.240"	37.0	2,798 fps	39,100 PSI	40.0C	3,016 fps	50,200 PSI
125 GR. NOS BT	AR2219	.308"	2.240"	34.5	2,635 fps	38,900 PSI	38.2C	2,903 fps	53,500 PSI
	Bench Mark 2	.308"	2.240"	37.0	2,740 fps	47,000 PSI	40.0C	2,931 fps	51,400 PSI
	Bench Mark 8208	.308"	2.240"	37.0	2,676 fps	37,600 PSI	40.0C	2,875 fps	46,400 PSI
130 GR. BAR TTSX BT	AR2219	.308"	2.230"	34.0	2,557 fps	38,600 PSI	37.5C	2,818 fps	52,800 PSI
	Bench Mark 2	.308"	2.230"	36.0	2,622 fps	39,400 PSI	39.2C	2,866 fps	52,900 PSI
	Bench Mark 8208	.308"	2.230"	36.0	2,561 fps	36,500 PSI	39.0C	2,826 fps	48,600 PSI
135 GR. SIE HPBT	AR2219	.308"	2.250"	34.0	2,526 fps	36,900 PSI	37.7C	2,814 fps	52,700 PSI
	Bench Mark 2	.308"	2.250"	36.0	2,605 fps	38,800 PSI	39.5C	2,859 fps	51,800 PSI
	Bench Mark 8208	.308"	2.250"	36.0	2,557 fps	34,600 PSI	39.0C	2,790 fps	46,700 PSI
150 GR. NOS BT	AR2219	.308"	2.250"	32.5	2,393 fps	38,900 PSI	35.5C	2,614 fps	51,700 PSI
	Bench Mark 2	.308"	2.250"	34.5	2,485 fps	41,300 PSI	37.5C	2,675 fps	52,100 PSI
	Bench Mark 8208	.308"	2.250"	34.0	2,385 fps	34,700 PSI	38.0C	2,692 fps	51,200 PSI
	AR2206H	.308"	2.250"	34.0	2,355 fps	35,200 PSI	38.0C	2,647 fps	51,000 PSI
160 GR. HDY FTX ME	AR2219	.308"	2.200"	31.0	2,260 fps	36,600 PSI	34.3C	2,515 fps	51,100 PSI
	Bench Mark 2	.308"	2.200"	33.0	2,353 fps	38,500 PSI	36.0C	2,566 fps	50,900 PSI
	Bench Mark 8208	.308"	2.200"	33.0	2,315 fps	35,600 PSI	36.0C	2,535 fps	47,300 PSI

30-40 Krag

Case: Winchester

Barrel length: 24"

Twist: 1:10"

Trim length: 2.304"

Primer: CCI 200

					Start load	ds		Maximum l	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
100 GR. HDY SP	AR2205	.308"	2.880"	13.0	1,433 fps	-	16.0	1,706 fps	-
	AR2207	.308"	2.880"	30.0	2,604 fps	-	34.0	2,886 fps	-
	AR2219	.308"	2.880"	39.0	2,542 fps	-	43.0	2,898 fps	-
	AR2206H	.308"	2.880"	42.0	2,707 fps	-	44.0	2,835 fps	-
	AR2209	.308"	2.880"	48.0	2,300 fps	-	51.0	2,492 fps	-
110 GR. SIE HP	AR2207	.308"	2.875"	30.0	2,417 fps	-	34.0	2,807 fps	-
	AR2219	.308"	2.875"	39.0	2,497 fps	-	43.0	2,841 fps	-
130 GR. SPR HP	AR2207	.308"	2.865"	29.0	2,224 fps	-	33.0	2,565 fps	-
	AR2219	.308"	2.865"	38.0	2,458 fps	-	42.0	2,698 fps	-
	AR2209	.308"	2.865"	48.0	2,330 fps	-	51.0	2,535 fps	-
150 GR. NOS PART	AR2207	.308"	3.090"	28.0	2,220 fps	-	32.0	2,366 fps	-

30-40 Krag				Twist: 1	Vinchester 1:10" CCI 200		Barrel length: 24" Trim length: 2.304"			
					Start load	ds		Maximum I	oads	
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure	
	AR2219	.308"	3.090"	36.0	2,369 fps	-	40.0	2,518 fps	-	
	AR2206H	.308"	3.090"	38.5	2,410 fps	-	42.0	2,575 fps	-	
	AR2209	.308"	3.090"	46.0	2,198 fps	-	49.0	2,388 fps	-	
	AR2213SC	.308"	3.090"	45.0	2,129 fps	-	49.0	2,306 fps	-	
165 GR. HDY BTSP	AR2219	.308"	3.105"	35.0	2,228 fps	-	39.0	2,402 fps	-	
	AR2209	.308"	3.105"	45.0	2,115 fps	-	48.0	2,242 fps	-	
	AR2213SC	.308"	3.105"	44.0	1,967 fps	-	48.0	2,176 fps	-	
180 GR. SPR GS SP	AR2219	.308"	3.090"	33.0	2,111 fps	-	37.0	2,250 fps	-	
	AR2206H	.308"	3.090"	35.0	2,171 fps	-	38.0	2,265 fps	-	
	AR2209	.308"	3.090"	43.0	2,006 fps	_	46.0	2,110 fps	_	
200 GR. SIE SPBT	AR2219	.308"	3.090"	32.0	1,915 fps	-	35.0	2,075 fps	-	
	AR2209	.308"	3.090"	42.0	1,929 fps	-	44.0	2,018 fps	-	
220 GR. HDY RN	AR2219	.308"	3.080"	30.0	1,852 fps	-	33.0	1,969 fps	-	
	AR2209	.308"	3.080"	40.0	1,874 fps	_	42.0	1,947 fps	-	
7.5 x 55mm Swiss				Case: N Twist: 1				ength: 31" ngth: 2.175"		
				Primer:	Winchester LF	₹				
					Start load	ds		Maximum I	oads	
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure	
125 GR. SIE SP	AR2206H	.308"	2.800"	41.0	2,639 fps	_	43.0	2,762 fps	_	
	AR2209	.308"	2.800"	47.0	2,565 fps	-	51.0	2,839 fps	_	
	AR2213SC	.308"	2.800"	49.0	2,639 fps	_	52.0	2,811 fps	_	
150 GR. HDY SP	AR2206H	.308"	2.790"	40.0	2,484 fps	_	42.0	2,578 fps	_	
	AR2209	.308"	2.790"	45.0	2,420 fps	_	49.0	2,610 fps	_	
	AR2213SC	.308"	2.790"	47.0	2,493 fps	-	51.0	2,659 fps	-	
168 GR. SIE HPBT	AR2206H	.308"	3.060"	39.0	2,388 fps	_	41.0	2,432 fps	_	
	AR2209	.308"	3.060"	44.0	2,379 fps	-	48.0	2,524 fps	-	
	AR2213SC	.308"	3.060"	45.0	2,477 fps	_	49.0	2,578 fps	_	
180 GR. HDY SP	AR2206H	.308"	2.900"	37.0	2,201 fps	_	39.0	2,296 fps	_	
	AR2209	.308"	2.900"	42.0	2,250 fps	_	46.0	2,566 fps	_	
	AR2213SC	.308"	2.900"	43.0	2,304 fps	-	47.0	2,424 fps	_	
	/ 1 == 1000	.000	2.500							
					Remington			ength: 22"		
300 Savage				Twist: 1	1:12"		Trim ler	ngth: 1.861"		
				Primer:	Remington 9	1/2				
					Start load	ds		Maximum I	oads	
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure	
100 GR. SPR RN SP	AR2207	.308"	2.475"	34.0	2,914 fps	-	37.0	3,103 fps	-	
	AR2206H	.308"	2.475"	41.0	2,819 fps	-	43.0	3,002 fps	-	
	AR2207	.308"	2.450"	34.0	2,742 fps	-	37.0	2,978 fps	-	
110 GR. HDY SP				39.5	2,669 fps	-	43.0	2,944 fps	-	
110 GR. HDY SP	AR2206H	.308"	2.450"	39.5	2,000 100					
110 GR. HDY SP 130 GR. HDY SP		.308"	2.450"	33.0	2,624 fps	-	36.0	2,837 fps	-	
	AR2206H				·	-	36.0 43.0	•	-	
	AR2206H AR2207	.308"	2.520"	33.0	2,624 fps			2,837 fps		

				T					
					Remington			ength: 22"	
300 Savage				Twist: 1			Trim len	ngth: 1.861"	
				Primer:	Remington 9	1/2			
					Start load	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
180 GR. HDY SP	AR2206H	.308"	2.600"	34.0	2,081 fps	-	37.0	2,130 fps	-
200 GR. SPR SP	AR2206H	.308"	2.550"	32.0	1,973 fps	-	35.0	2,089 fps	-
				Caso. //	Vinchester		Rarrol lo	ength: 20"	
307 Winchester				Twist: 1				ngth: 2.005"	
307 WillChester					Winchester LI	D		.g	
				Fillier.			Τ		
B # 4			001	_	Start loa	 I		Maximum I	
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
110 GR. SPR HP	AR2219	.308"	2.390"	41.0	2,814 fps	-	44.0	3,000 fps	-
110 GR.	AR2206	-	-	41.0	2,730 fps	-	44.5	2,965 fps	-
110 GR. SPR HP	AR2206H	.308"	2.390"	42.0	2,724 fps	-	45.0	2,930 fps	-
	AR2209	.308"	2.390"	47.0	2,320 fps	-	50.0	2,589 fps	-
	AR2213SC	.308"	2.390"	48.0	2,340 fps	-	50.0	2,451 fps	-
125 GR. SPR FP	AR2219	.308"	2.520"	39.0	2,481 fps	-	42.0	2,669 fps	-
125 GR.	AR2206	-	-	39.0	2,500 fps	-	42.5	2,725 fps	-
125 GR. SPR FP	AR2206H	.308"	2.520"	40.0	2,540 fps	-	43.0	2,762 fps	-
	AR2209	.308"	2.520"	47.0	2,380 fps	-	50.0	2,522 fps	-
	AR2213SC	.308"	2.520"	48.0	2,269 fps	-	50.0	2,400 fps	-
150 GR. HDY RN	AR2219	.308"	2.520"	38.0	2,319 fps	-	41.0	2,513 fps	-
150 GR.	AR2206	-	-	38.5	2,370 fps	-	41.5	2,555 fps	-
150 GR. HDY RN	AR2206H	.308"	2.520"	39.0	2,402 fps	-	42.0	2,604 fps	-
	AR2209	.308"	2.520"	46.0	2,292 fps	-	48.0	2,453 fps	-
	AR2213SC	.308"	2.520"	47.0	2,154 fps	-	49.0	2,349 fps	-
170 GR. HDY FP	AR2219	.308"	2.520"	35.0	2,234 fps	-	38.0	2,418 fps	-
170 GR.	AR2206	-	-	35.5	2,185 fps	-	39.0	2,400 fps	-
170 GR. HDY FP	AR2206H	.308"	2.520"	37.0	2,314 fps	-	40.0	2,474 fps	-
	AR2209	.308"	2.520"	45.0	2,210 fps	-	47.0	2,380 fps	-
180 GR. HDY RN	AR2219	.308"	2.730"	34.0	2,169 fps	-	37.0	2,359 fps	-
	AR2206H	.308"	2.730"	36.0	2,227 fps	-	39.0	2,373 fps	-
	AR2209	.308"	2.730"	45.0	2,290 fps	-	47.0	2,416 fps	-
				Case: H	lomady		Barrel le	ength: 24"	
308 Marlin Express	•			Twist: 1	•			ngth: 1.910"	
500 Marini Express	•			Primer	Winchester LI	R			
								Mavimum	oade
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Start load	Pressure	Grs.	Maximum I Velocity	Pressure
125 GR. SIE HP FN	AR2219	.308"	2.300"	-	2,555 fps		37.0	2,704 fps	46,200 PSI
120 GR. SIE FIF FIN				34.0		41,400 PSI			
	Bench Mark 2	.308"	2.300"	34.0	2,504 fps	39,500 PSI	37.6	2,680 fps	45,200 PSI
	Bench Mark 8208			37.0	2,682 fps	39,200 PSI	41.0	2,868 fps	44,900 PSI
	AR2206H	.308"	2.300"	38.0	2,527 fps	35,900 PSI	42.0	2,788 fps	45,000 PSI
420 CD CD CD	AR2208	.308"	2.300"	39.0	2,525 fps	37,500 PSI	42.3C	2,700 fps	42,800 PSI
130 GR. SPR FP	AR2219	.308"	2.420"	32.0	2,388 fps	36,500 PSI	35.3	2,617 fps	45,800 PSI
	Bench Mark 2	.308"	2.420"	33.0	2,428 fps	38,800 PSI	36.5	2,635 fps	46,300 PSI
	Bench Mark 8208	.308"	2.420"	36.0	2,627 fps	40,700 PSI	40.0	2,808 fps	45,700 PSI
	AR2206H	.308"	2.420"	38.0	2,551 fps	38,600 PSI	41.7	2,762 fps	46,000 PSI
	AR2208	.308"	2.420"	39.0	2,502 fps	37,500 PSI	42.5	2,730 fps	46,400 PSI

				Case: H	lomady		Barrel le	ength: 24"		
308 Marlin Express				Twist: 1	•		Trim length: 1.910"			
300 Mariin Express				Primer:	Winchester LI	R		J		
				1 11111011	Start load			Maximum I	nade	
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure	
150 GR. BAR TSX FN	Bench Mark 8208	.308"	2.350"	34.0	2,403 fps	40,700 PSI	37.4C	2,558 fps	46,100 PSI	
130 GIV. DAIK TOXT IN	AR2206H	.308"	2.350"	35.0	2,403 fps	38,800 PSI	38.3C	2,498 fps	46,800 PSI	
	AR2208	.308"	2.350"	36.0	2,268 fps	39.500 PSI	39.5C	2,458 fps	46,500 PSI	
150 GR. HDY RN	Bench Mark 8208	.308"	2.430"	36.0	2,537 fps	42,600 PSI	39.5	2,436 fps	46,300 PSI	
130 GIV. HIDT IVIV	AR2206H	.308"	2.430"	37.0	2,443 fps	40.000 PSI	40.5	2,607 fps	45,900 PSI	
	AR2200H	.308"	2.430"	38.0	2,445 lps 2,405 fps	39,100 PSI	41.5C	2,572 fps	46,100 PSI	
160 GR, HDY FTX ME	Bench Mark 8208	.308"	2.430	35.0			37.8		46,700 PSI	
160 GR. HUY FIX ME					2,456 fps	42,500 PSI	l .	2,570 fps		
	AR2206H	.308"	2.590"	34.8	2,442 fps	40,900 PSI	37.0	2,555 fps	46,800 PSI	
450 OD UDV 50	AR2208	.308"	2.590"	36.4	2,361 fps	38,900 PSI	39.6C	2,547 fps	46,800 PSI	
170 GR. HDY FP	Bench Mark 8208	.308"	2.400"	33.0	2,288 fps	38,300 PSI	37.0	2,473 fps	46,600 PSI	
	AR2206H	.308"	2.400"	35.0	2,289 fps	41,000 PSI	38.6C	2,439 fps	46,300 PSI	
	AR2208	.308"	2.400"	36.0	2,255 fps	40,500 PSI	39.3C	2,394 fps	46,300 PSI	
				Case: H	lomady		Barrel le	ength: 24"		
30 TC				Twist: 1	:12"		Trim len	gth: 1.910"		
				Primer:	Winchester LI	R				
					Start load			Maximum I	nade	
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure	
125 GR. NOS BT	AR2207	.308"	2.640"	34.0	2,800 fps	46,500 PSI	38.4	3,032 fps	58,500 PSI	
123 GR. NOS B1	AR2219	.308"	2.640"	40.0	2,925 fps	52,000 PSI	44.8	3,032 lps	60,600 PSI	
	Bench Mark 2	.308"	2.640"	41.0	2,860 fps	43,500 PSI	46.0	3,149 fps	59,300 PSI	
	AR2206H	.308"	2.640"	43.0	2,895 fps	43,500 PSI 42,700 PSI	47.8C	3,149 lps	59,300 PSI	
130 GR. BAR TSX BT	AR2219	.308"	2.640"	40.0	2,893 lps 2,869 fps	42,700 PSI 49,500 PSI	44.5	3,177 lps 3,089 fps	60,100 PSI	
130 GR. BAR 13A B1	Bench Mark 2	.308"	2.640"	41.0	2,841 fps	49,300 PSI 44,800 PSI	45.7C	•	59,600 PSI	
	AR2206H	.308"	2.640"			44,800 PSI	45.7C 47.5C	3,104 fps	59,000 PSI	
	AR2200H	.308"	2.640"	43.0	2,875 fps 2,839 fps	45,200 PSI	48.0C	3,133 fps 3,051 fps	55,900 PSI	
425 CD SIE LIDDT						50,100 PSI			59,300 PSI	
135 GR. SIE HPBT	AR2219	.308"	2.640"	39.0	2,816 fps	,	43.0	3,002 fps		
	Bench Mark 2	.308"	2.640"	40.0	2,758 fps	42,200 PSI	45.0C	3,057 fps	59,900 PSI	
	Bench Mark 8208	.308"	2.640"	42.0	2,893 fps	46,500 PSI	45.3	3,095 fps	59,700 PSI	
	AR2206H	.308"	2.640"	42.0	2,800 fps	42,900 PSI	47.3C	3,106 fps	59,300 PSI	
450 OD LIDVID	AR2208	.308"	2.640"	44.0	2,814 fps	45,600 PSI	49.0C	3,081 fps	60,200 PSI	
150 GR. HDY IB	AR2219	.308"	2.640"	38.0	2,683 fps	53,600 PSI	42.5C	2,857 fps	60,700 PSI	
	Bench Mark 2	.308"	2.640"	38.0	2,596 fps	45,700 PSI	42.5C	2,831 fps	59,400 PSI	
	Bench Mark 8208	.308"	2.640"	39.0	2,646 fps	43,400 PSI	43.7	2,915 fps	60,000 PSI	
	AR2206H	.308"	2.640"	41.0	2,652 fps	44,300 PSI	45.5C	2,901 fps	58,900 PSI	
455 OD 1100 LIDDT	AR2208	.308"	2.640"	42.0	2,631 fps	45,700 PSI	45.8C	2,830 fps	56,100 PSI	
155 GR. NOS HPBT	AR2219	.308"	2.640"	36.0	2,590 fps	49,400 PSI	40.5	2,780 fps	58,400 PSI	
	Bench Mark 2	.308"	2.640"	38.0	2,549 fps	40,800 PSI	42.6	2,834 fps	59,200 PSI	
	AR2206H	.308"	2.640"	40.0	2,648 fps	45,500 PSI	44.4C	2,871 fps	58,300 PSI	
405 OD D 40 TC'	AR2208	.308"	2.640"	41.0	2,594 fps	43,700 PSI	46.0C	2,861 fps	59,100 PSI	
165 GR. BAR TSX	AR2219	.308"	2.630"	36.0	2,536 fps	54,500 PSI	40.5C	2,691 fps	59,600 PSI	
	Bench Mark 2	.308"	2.630"	38.0	2,486 fps	44,000 PSI	42.0C	2,719 fps	58,800 PSI	
	Bench Mark 8208	.308"	2.630"	38.0	2,524 fps	44,600 PSI	42.0C	2,752 fps	58,600 PSI	
	AR2206H	.308"	2.630"	39.0	2,491 fps	43,900 PSI	43.4C	2,755 fps	59,700 PSI	
	AR2208	.308"	2.630"	40.0	2,465 fps	43,700 PSI	45.0C	2,748 fps	60,500 PSI	
168 GR. SIE HPBT	AR2219	.308"	2.640"	36.0	2,528 fps	54,400 PSI	40.2	2,678 fps	60,200 PSI	

30 TC				Case: H Twist: 1 Primer:	•	R	Barrel length: 24" Trim length: 1.910"			
					Start loa			Maximum I	oads	
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure	
	Bench Mark 2	.308"	2.640"	38.0	2,494 fps	44,200 PSI	41.9	2,716 fps	59,700 PSI	
	AR2206H	.308"	2.640"	39.0	2,514 fps	45,100 PSI	43.5	2,744 fps	58,400 PS	
	AR2208	.308"	2.640"	40.0	2,476 fps	42.800 PSI	45.2C	2,748 fps	59.100 PS	
180 GR. HDY SP	Bench Mark 2	.308"	2.640"	37.0	2,353 fps	45.600 PSI	41.0	2,565 fps	59,300 PS	
	Bench Mark 8208	.308"	2.640"	37.0	2,416 fps	49,000 PSI	41.5C	2,620 fps	59,900 PS	
	AR2206H	.308"	2.640"	38.0	2,379 fps	47,200 PSI	42.5C	2,596 fps	59,400 PS	
	AR2208	.308"	2.640"	39.0	2,345 fps	45,600 PSI	43.8C	2,579 fps	59,100 PS	
	2200	.000	2.0.0		, ,	10,000 1 0.			30,1001	
					/inchester			ength: 24"		
308 Winchester				Twist: 1	:12"		Trim ler	igth: 2.005"		
				Primer:	Federal 210N	1				
					Start loa	ds		Maximum I	oads	
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure	
110 GR. BAR TSX FB	AR2207	.308"	2.690"	39.9	3,124 fps	48,800 PSI	42.5	3,278 fps	58,700 PS	
	AR2219	.308"	2.690"	46.1	3,139 fps	48,100 PSI	49.0C	3,334 fps	59,000 PS	
	Bench Mark 2	.308"	2.690"	45.2	3,005 fps	39,700 PSI	50.2C	3,316 fps	54,200 PS	
	Bench Mark 8208	.308"	2.690"	45.5	2,975 fps	37,700 PSI	50.0C	3,266 fps	50,000 PS	
	AR2206H	.308"	2.690"	46.1	3,055 fps	40,300 PSI	49.0C	3,212 fps	46,200 PS	
125 GR. SFIRE	AR2219	.308"	2.700"	38.0	2,760 fps	43,500 PSI	42.5C	2,985 fps	52,800 PS	
	Bench Mark 2	.308"	2.700"	40.0	2,736 fps	38,200 PSI	44.5C	3,019 fps	52,000 PS	
	Bench Mark 8208	.308"	2.700"	42.0	2,830 fps	41,200 PSI	46.5C	3,110 fps	54,100 PS	
	AR2206H	.308"	2.700"	42.0	2,796 fps	39,500 PSI	46.0C	3,034 fps	49,600 PS	
125 GR. SIE SP	AR2207	.308"	2.700"	36.0	2,841 fps	46,600 CUP	39.5	2,988 fps	49,800 CU	
	AR2219	.308"	2.700"	42.0	2,888 fps	43,400 CUP	45.0	3,052 fps	51,400 CU	
	Bench Mark 2	.308"	2.700"	43.0	2,821 fps	40,600 CUP	47.5	3,070 fps	50,700 CU	
	Bench Mark 8208	.308"	2.700"	46.0	3,000 fps	50,200 PSI	49.2C	3,174 fps	60,100 PS	
	AR2206H	.308"	2.700"	45.0	2,891 fps	36,800 CUP	49.0C	3,127 fps	48,400 CU	
	AR2208	.308"	2.700"	48.0	3,049 fps	42,400 CUP	50.0C	3,135 fps	45,700 CU	
130 GR. SPR HP	AR2207	.308"	2.615"	35.0	2,745 fps	44,700 CUP	37.0	2,837 fps	49,700 CU	
	AR2219	.308"	2.615"	40.0	2,754 fps	41,200 CUP	43.0	2,924 fps	49,800 CU	
	Bench Mark 2	.308"	2.615"	41.0	2,704 fps	38,800 CUP	46.0	2,985 fps	50,100 CU	
	Bench Mark 8208	.308"	2.615"	43.0	2,834 fps	46,900 PSI	48.0C	3,110 fps	62,100 PS	
130 GR.	AR2206	-	-	43.0	2,740 fps	-	47.5C	3,025 fps	-	
130 GR. SPR HP	AR2206H	.308"	2.615"	45.0	2,903 fps	41,800 CUP	49.0C	3,099 fps	50,100 CU	
	AR2208	.308"	2.615"	47.0	2,975 fps	42,900 CUP	50.0C	3,130 fps	50,400 CU	
144 GR.	AR2206	-	_	40.5	2,600 fps	-	45.0	2,890 fps	-	
150 GR. NOS E-TIP	Bench Mark 2	.308"	2.800"	39.9	2,629 fps	47,300 PSI	43.0	2,819 fps	59,600 PS	
	Bench Mark 8208	.308"	2.800"	40.8	2,659 fps	45,900 PSI	44.3	2,889 fps	60,000 PS	
	AR2206H	.308"	2.800"	41.5	2,677 fps	48,700 PSI	45.6	2,893 fps	60,500 PS	
	AR2208	.308"	2.800"	42.3	2,670 fps	46,700 PSI	46.5C	2,914 fps	60,400 PS	
150 GR. NOS BT	Trail Boss	.308"	2.800"	10.0	1,176 fps	25,800 PSI	14.0	1,417 fps	27,100 PS	
· · · · · · · ·	AR2219	.308"	2.800"	37.0	2,508 fps	39,100 CUP	40.0	2,702 fps	50,500 CU	
	Bench Mark 2	.308"	2.800"	39.0	2,521 fps	38,800 CUP	43.0	2,752 fps	49,900 CU	
	Bench Mark 8208	.308"	2.800"	40.0	2,604 fps	45,500 PSI	44.5C	2,870 fps	60,800 PS	
	AR2206H	.308"	2.800"	43.0	2,742 fps	43,200 CUP	45.5	2,870 fps	51,000 CU	
	AR2208	.308"	2.800"	44.0	2,742 lps 2,788 fps	43,300 CUP	47.0C	2,937 fps	50,300 CU	
	71112200	.500	2.000	1 .∪	2,100 ips	+0,000 COP	77.00	2,001 ips	30,300 00	

				Case: V	Vinchester		Barrel le	ength: 24"	
308 Winchester				Twist: 1	:12"			igth: 2.005"	
ooo wiiionestei				Primer:	Federal 210M	1		-	
					Start loa			Maximum I	nade
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
155 GR. SIE HPBT	AR2219	.308"	2.775"	38.0	2,588 fps	42,400 CUP	41.0	2,710 fps	49,400 CUP
	Bench Mark 2	.308"	2.775"	39.0	2,538 fps	41,900 CUP	43.0	2,753 fps	50,200 CUP
	Bench Mark 8208	.308"	2.775"	41.0	2,619 fps	47,300 PSI	45.3	2,854 fps	60,900 PSI
155 GR.	AR2206	-	-	40.0	2,540 fps	-	44.5	2,825 fps	-
155 GR. SIE HPBT	AR2206H	.308"	2.775"	43.0	2,735 fps	42,000 CUP	46.0	2,873 fps	49,700 CUP
	AR2208	.308"	2.775"	44.0	2,759 fps	41,300 CUP	47.0C	2,909 fps	49,400 CUP
165 GR. HDY SP	Bench Mark 2	.308"	2.750"	38.5	2,438 fps	40,200 CUP	42.5	2,647 fps	50,500 CUP
	Bench Mark 8208	.308"	2.750"	38.5	2,491 fps	49,100 PSI	42.8	2,691 fps	60,200 PSI
	AR2206H	.308"	2.750"	41.0	2,525 fps	38,600 CUP	43.5	2,694 fps	50,000 CUP
	AR2208	.308"	2.750"	42.0	2,582 fps	40,800 CUP	46.0C	2,773 fps	50,500 CUP
168 GR. BAR TTSX BT	Bench Mark 2	.308"	2.800"	38.0	2,458 fps	44,500 PSI	42.0C	2,686 fps	59,500 PSI
	Bench Mark 8208	.308"	2.800"	39.0	2,505 fps	46,500 PSI	43.0C	2,724 fps	60,700 PSI
	AR2206H	.308"	2.800"	39.0	2,497 fps	45,100 PSI	43.0C	2,727 fps	59,900 PSI
	AR2208	.308"	2.800"	41.0	2,514 fps	46,100 PSI	45.0C	2,737 fps	60,000 PSI
168 GR. SIE HPBT	AS30N	.308"	2.800"	-	-	-	8.0	1,060 fps	26,800 CUP
	Bench Mark 2	.308"	2.800"	38.0	2,416 fps	38,100 CUP	42.0	2,630 fps	49,300 CUP
	Bench Mark 8208	.308"	2.800"	39.0	2,493 fps	49,000 PSI	43.3	2,707 fps	61,500 PSI
168 GR.	AR2206	-	-	39.5	2,445 fps	-	43.7	2,705 fps	-
168 GR. SIE HPBT	AR2206H	.308"	2.800"	41.0	2,551 fps	38,300 CUP	43.5	2,703 fps	49,500 CUP
	AR2208	.308"	2.800"	42.0	2,520 fps	41,200 CUP	46.0C	2,731 fps	50,600 CUP
175 GR. SIE HPBT	Bench Mark 2	.308"	2.800"	38.0	2,400 fps	40,100 CUP	41.5	2,590 fps	50,800 CUP
	Bench Mark 8208	.308"	2.800"	39.0	2,511 fps	52,200 PSI	42.5	2,664 fps	61,800 PSI
175 GR.	AR2206	-	-	38.0	2,370 fps	-	41.5	2,590 fps	-
175 GR. SIE HPBT	AR2206H	.308"	2.800"	40.0	2,489 fps	39,100 CUP	42.7	2,647 fps	49,000 CUP
	AR2208	.308"	2.800"	42.0	2,583 fps	42,600 CUP	45.0C	2,690 fps	48,600 CUP
180 GR. SPR SP	Bench Mark 2	.308"	2.800"	38.0	2,363 fps	40,700 CUP	41.3	2,542 fps	50,800 CUP
	Bench Mark 8208	.308"	2.800"	36.0	2,340 fps	51,600 PSI	40.0	2,497 fps	60,100 PSI
	AR2206H	.308"	2.800"	40.0	2,454 fps	41,200 CUP	42.5	2,595 fps	49,700 CUP
400 OD UDV DTOD	AR2208	.308"	2.800"	41.0	2,470 fps	41,200 CUP	45.0C	2,661 fps	49,600 CUP
190 GR. HDY BTSP	Bench Mark 2	.308"	2.740"	37.0	2,288 fps	41,100 CUP	39.5	2,418 fps	48,500 CUP
	Bench Mark 8208	.308"	2.740"	36.0	2,303 fps	51,700 PSI	40.0	2,459 fps	59,800 PSI
	AR2206H	.308"	2.740"	39.0	2,359 fps	40,400 CUP	42.0	2,514 fps	49,500 CUP
200 CD SET SD	AR2208	.308"	2.740"	41.0	2,452 fps	46,100 CUP	44.0C	2,536 fps	49,100 CUP
200 GR. SFT SP	Bench Mark 2	.308"	2.700"	37.5	2,227 fps	43,000 CUP	40.0	2,355 fps	50,100 CUP
	Bench Mark 8208	.308"	2.700"	35.5	2,250 fps	51,900 PSI	39.5	2,400 fps	59,900 PSI
	AR2206H AR2208	.308"	2.700" 2.700"	38.0	2,256 fps	42,400 CUP 43,100 CUP	41.0C 42.0C	2,403 fps 2,441 fps	49,400 CUP 50,100 CUP
208 GR. HDY A-MAX		.308"			2,288 fps	51,000 PSI			
200 GR. HUT A-WAX	Bench Mark 2	.308"	2.820"	35.2	2,207 fps	48,100 PSI	38.3	2,346 fps 2,373 fps	59,300 PSI
	Bench Mark 8208 AR2206H	.308"	2.820"	36.4 35.6	2,219 fps 2,218 fps	49,900 PSI	39.2 38.8C	2,373 fps 2,359 fps	59,300 PSI 58,600 PSI
	AR2208	.308"	2.820"	38.1		49,400 PSI	30.6C		
	ARZZU0	.308	2.620	JÖ. I	2,260 fps	49,400 PSI	41.50	2,420 fps	59,500 PSI

				Case: N	loma		Barrel le	ength: 24"	
7.62 x 54R				Twist: 1	:10"			igth: 2.104"	
7.02 X 34K					Federal 210N	1		3	
				Fillier.			1		
	1	T = "			Start loa	1	_	Maximum I	1
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
110 GR. HDY SP	Bench Mark 2	.308"	2.715"	47.0	3,060 fps	39,700 CUP	50.5	3,213 fps	44,900 CUP
	AR2206H	.308"	2.715"	51.0	3,150 fps	35,500 CUP	55.0C	3,345 fps	43,400 CUP
	AR2208	.308"	2.715"	51.0	3,016 fps	34,700 CUP	55.0C	3,200 fps	39,900 CUP
125 GR. SIE SP	AR2206H	.308"	2.715"	50.0	3,036 fps	36,700 CUP	54.0C	3,236 fps	45,700 CUP
	AR2208	.308"	2.715"	51.0	2,967 fps	37,400 CUP	55.0C	3,139 fps	45,700 CUP
150 GR. NOS BT	AR2206H	.308"	2.875"	46.0	2,769 fps	38,000 CUP	49.5C	2,938 fps	46,300 CUP
	AR2208	.308"	2.875"	47.0	2,721 fps	38,000 CUP	50.5	2,985 fps	46,400 CUP
165 GR. BAR XBTC	AR2206H	.308"	2.950"	44.0	2,633 fps	40,200 CUP	47.0	2,761 fps	45,800 CUP
	AR2208	.308"	2.950"	45.0	2,581 fps	39,800 CUP	48.3	2,727 fps	46,000 CUP
	AR2209	.308"	2.950"	52.0	2,608 fps	36,300 CUP	55.0C	2,740 fps	41,500 CUP
180 GR. SFT SCIR	AR2206H	.308"	2.975"	42.0	2,482 fps	40,900 CUP	45.4C	2,618 fps	45,800 CUP
	AR2208	.308"	2.975"	43.0	2,409 fps	38,400 CUP	46.5C	2,575 fps	45,900 CUP
	AR2209	.308"	2.975"	51.0	2,493 fps	37,600 CUP	55.0C	2,692 fps	44,700 CUP
	AR2213SC	.308"	2.975"	51.0	2,281 fps	31,900 CUP	55.0C	2,484 fps	39,200 CUP
200 GR. SPR SP	AR2206H	.308"	2.950"	39.0	2,271 fps	41,400 CUP	42.2	2,411 fps	46,400 CUP
	AR2208	.308"	2.950"	41.0	2,304 fps	41,500 CUP	44.0	2,412 fps	46,000 CUP
	AR2209	.308"	2.950"	48.0	2,329 fps	37,400 CUP	52.0	2,529 fps	46,500 CUP
	AR2213SC	.308"	2.950"	52.0	2,348 fps	41,100 CUP	55.0C	2,468 fps	45,700 CUP
220 GR. HDY JRN	AR2206H	.308"	2.830"	38.0	2,143 fps	41,200 CUP	41.0	2,263 fps	46,600 CUP
	AR2208	.308"	2.830"	40.0	2,178 fps	42,300 CUP	42.5	2,269 fps	46,000 CUP
	AR2209	.308"	2.830"	47.0	2,227 fps	37,600 CUP	50.5C	2,396 fps	45,900 CUP
	AR2213SC	.308"	2.830"	50.0	2,209 fps	39,100 CUP	54.0C	2,381 fps	46,000 CUP
	AR2213SC	.308"		50.0	2,209 fps	,			· ·
	AR2213SC	.308"		50.0 Case: V	2,209 fps Vinchester	,	Barrel le	ength: 24"	'
30-06 Springfield	AR2213SC	.308"		50.0 Case: V	2,209 fps Vinchester :10"	39,100 CUP	Barrel le		'
30-06 Springfield	AR2213SC	.308"		50.0 Case: V	2,209 fps Vinchester	39,100 CUP	Barrel le	ength: 24"	'
30-06 Springfield	AR2213SC		2.830"	50.0 Case: V	2,209 fps Vinchester :10"	39,100 CUP	Barrel le	ength: 24" gth: 2.484" Maximum I	46,000 CUP
Bullet	AR2213SC Powder	Bullet Diam.	2.830" C.O.L.	50.0 Case: V	2,209 fps Vinchester :10" Winchester L	39,100 CUP	Barrel le	ength: 24" ngth: 2.484"	46,000 CUP
			2.830"	50.0 Case: V Twist: 1 Primer:	2,209 fps Vinchester :10" Winchester L Start loa	39,100 CUP	Barrel le	ength: 24" gth: 2.484" Maximum I	46,000 CUP
Bullet	Powder	Bullet Diam.	2.830" C.O.L.	Case: V Twist: 1 Primer: Grs.	2,209 fps Vinchester :10" Winchester L Start loa Velocity	39,100 CUP R ds Pressure	Barrel le Trim len	ength: 24" gth: 2.484" Maximum I Velocity	46,000 CUP oads Pressure
Bullet	Powder Bench Mark 2	Bullet Diam.	2.830" C.O.L. 3.170"	50.0 Case: V Twist: 1 Primer: Grs. 51.5	2,209 fps Vinchester :10" Winchester L Start loa Velocity 3,242 fps	39,100 CUP R ds Pressure 45,600 CUP	Barrel le Trim len Grs.	ength: 24" egth: 2.484" Maximum I Velocity 3,396 fps	oads Pressure 49,800 CUP
Bullet	Powder Bench Mark 2 Bench Mark 8208	Bullet Diam. .308" .308"	2.830" C.O.L. 3.170"	50.0 Case: V Twist: 1 Primer: Grs. 51.5 52.6	2,209 fps Vinchester :10" Winchester L Start loa Velocity 3,242 fps 3,223 fps	39,100 CUP R ds Pressure 45,600 CUP 46,200 PSI	Grs. 55.0 56.0	ength: 24" gth: 2.484" Maximum I Velocity 3,396 fps 3,415 fps	0ads Pressure 49,800 CUP 57,500 PSI
Bullet	Powder Bench Mark 2 Bench Mark 8208 AR2206H	Bullet Diam308" .308" .308"	2.830" C.O.L. 3.170" 3.170"	50.0 Case: V Twist: 1 Primer: Grs. 51.5 52.6 51.0	2,209 fps Vinchester :10" Winchester L Start loa Velocity 3,242 fps 3,223 fps 3,155 fps	39,100 CUP R ds Pressure 45,600 CUP 46,200 PSI 39,000 CUP	Grs. 55.0 56.0 57.0	ength: 24" egth: 2.484" Maximum I Velocity 3,396 fps 3,415 fps 3,431 fps	0ads Pressure 49,800 CUP 57,500 PSI 49,300 CUP
Bullet 110 GR. HDY SP	Powder Bench Mark 2 Bench Mark 8208 AR2206H AR2208	Bullet Diam308" .308" .308"	2.830" C.O.L. 3.170" 3.170" 3.170"	50.0 Case: V Twist: 1 Primer: Grs. 51.5 52.6 51.0 55.0	2,209 fps Vinchester :10" Winchester L Start loa Velocity 3,242 fps 3,223 fps 3,155 fps 3,308 fps	39,100 CUP R ds Pressure 45,600 CUP 46,200 PSI 39,000 CUP 44,400 CUP	Grs. 55.0 56.0 57.0	mgth: 24" mgth: 2.484" Maximum I Velocity 3,396 fps 3,415 fps 3,431 fps 3,452 fps	0ads Pressure 49,800 CUP 57,500 PSI 49,300 CUP 48,500 CUP
Bullet 110 GR. HDY SP	Powder Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 2	Bullet Diam308" .308" .308" .308"	2.830" C.O.L. 3.170" 3.170" 3.170" 3.150"	50.0 Case: V Twist: 1 Primer: Grs. 51.5 52.6 51.0 55.0 49.0	2,209 fps Vinchester :10" Winchester L Start loa Velocity 3,242 fps 3,223 fps 3,155 fps 3,308 fps 2,996 fps	39,100 CUP R ds Pressure 45,600 CUP 46,200 PSI 39,000 CUP 44,400 CUP 40,700 CUP	Grs. 55.0 56.0 57.0 59.0 52.0	Maximum I Velocity 3,396 fps 3,415 fps 3,452 fps 3,178 fps	0ads Pressure 49,800 CUP 57,500 PSI 49,300 CUP 48,500 CUP 48,700 CUP
Bullet 110 GR. HDY SP	Powder Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 2 Bench Mark 8208	Bullet Diam308" .308" .308" .308" .308"	2.830" C.O.L. 3.170" 3.170" 3.170" 3.150"	50.0 Case: V Twist: 1 Primer: Grs. 51.5 52.6 51.0 55.0 49.0 51.5	2,209 fps Vinchester :10" Winchester L Start loa Velocity 3,242 fps 3,223 fps 3,155 fps 3,308 fps 2,996 fps 3,100 fps	39,100 CUP R ds Pressure 45,600 CUP 46,200 PSI 39,000 CUP 44,400 CUP 40,700 CUP 50,400 PSI	Grs. 55.0 56.0 57.0 59.0 52.0 54.7	Maximum I Velocity 3,396 fps 3,415 fps 3,431 fps 3,452 fps 3,178 fps 3,243 fps	0ads Pressure 49,800 CUP 57,500 PSI 49,300 CUP 48,500 CUP 48,700 CUP 57,400 PSI
Bullet 110 GR. HDY SP	Powder Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 2 Bench Mark 8208 AR2206H	Bullet Diam308" .308" .308" .308" .308" .308" .308"	2.830" C.O.L. 3.170" 3.170" 3.170" 3.150" 3.150"	50.0 Case: V Twist: 1 Primer: Grs. 51.5 52.6 51.0 55.0 49.0 51.5 48.0	2,209 fps Vinchester :10" Winchester L Start loa Velocity 3,242 fps 3,223 fps 3,155 fps 3,308 fps 2,996 fps 3,100 fps 2,977 fps	39,100 CUP R ds Pressure 45,600 CUP 46,200 PSI 39,000 CUP 44,400 CUP 40,700 CUP 50,400 PSI 41,400 CUP	Grs. 55.0 56.0 57.0 59.0 52.0 54.7 53.7	Maximum I Velocity 3,396 fps 3,415 fps 3,452 fps 3,178 fps 3,243 fps 3,229 fps	0ads Pressure 49,800 CUP 57,500 PSI 49,300 CUP 48,500 CUP 48,700 CUP 57,400 PSI 49,300 CUP
Bullet 110 GR. HDY SP 125 GR. SIE SP	Powder Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 2 Bench Mark 8208 AR2206H AR2208	Bullet Diam308" .308" .308" .308" .308" .308" .308"	2.830" C.O.L. 3.170" 3.170" 3.170" 3.150" 3.150" 3.150"	50.0 Case: V Twist: 1 Primer: Grs. 51.5 52.6 51.0 55.0 49.0 51.5 48.0 54.0	2,209 fps Vinchester :10" Winchester L Start loa Velocity 3,242 fps 3,223 fps 3,155 fps 3,308 fps 2,996 fps 3,100 fps 2,977 fps 3,159 fps	39,100 CUP R ds Pressure 45,600 CUP 46,200 PSI 39,000 CUP 44,400 CUP 40,700 CUP 50,400 PSI 41,400 CUP 45,500 CUP	Grs. 55.0 56.0 57.0 59.0 52.0 54.7 53.7	Maximum I Velocity 3,396 fps 3,415 fps 3,431 fps 3,452 fps 3,178 fps 3,243 fps 3,229 fps 3,267 fps	0ads Pressure 49,800 CUP 57,500 PSI 49,300 CUP 48,700 CUP 48,700 CUP 57,400 PSI 49,300 CUP 49,500 CUP
Bullet 110 GR. HDY SP 125 GR. SIE SP	Powder Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 8208 Bench Mark 8208	Bullet Diam308" .308" .308" .308" .308" .308" .308" .308" .308"	2.830" C.O.L. 3.170" 3.170" 3.150" 3.150" 3.150" 3.060"	50.0 Case: V Twist: 1 Primer: Grs. 51.5 52.6 51.0 55.0 49.0 51.5 48.0 54.0 48.0	2,209 fps Vinchester :10" Winchester L Start loa Velocity 3,242 fps 3,223 fps 3,155 fps 3,308 fps 2,996 fps 3,100 fps 2,977 fps 3,159 fps 2,986 fps	39,100 CUP R ds Pressure 45,600 CUP 46,200 PSI 39,000 CUP 44,400 CUP 40,700 CUP 50,400 PSI 41,400 CUP 45,500 CUP 44,900 CUP	Grs. 55.0 56.0 57.0 59.0 52.0 54.7 53.7 57.2 51.0	Maximum I Velocity 3,396 fps 3,415 fps 3,431 fps 3,452 fps 3,178 fps 3,243 fps 3,229 fps 3,267 fps 3,107 fps	46,000 CUP oads Pressure 49,800 CUP 57,500 PSI 49,300 CUP 48,700 CUP 57,400 PSI 49,300 CUP 49,500 CUP 49,500 CUP 48,700 CUP
Bullet 110 GR. HDY SP 125 GR. SIE SP	Powder Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 8208 Bench Mark 2	Bullet Diam. .308" .308" .308" .308" .308" .308" .308" .308" .308" .308"	2.830" C.O.L. 3.170" 3.170" 3.170" 3.150" 3.150" 3.150" 3.060" 3.060"	50.0 Case: V Twist: 1 Primer: Grs. 51.5 52.6 51.0 55.0 49.0 51.5 48.0 54.0 48.0 49.1	2,209 fps Vinchester :10" Winchester L Start loa Velocity 3,242 fps 3,223 fps 3,155 fps 3,308 fps 2,996 fps 3,100 fps 2,977 fps 3,159 fps 2,986 fps 3,021 fps	39,100 CUP R ds Pressure 45,600 CUP 46,200 PSI 39,000 CUP 44,400 CUP 40,700 CUP 50,400 PSI 41,400 CUP 45,500 CUP 44,900 CUP 52,100 PSI	Grs. 55.0 56.0 57.0 59.0 52.0 54.7 57.2 51.0 51.7	Maximum I Velocity 3,396 fps 3,415 fps 3,452 fps 3,178 fps 3,243 fps 3,229 fps 3,267 fps 3,107 fps 3,126 fps	0ads Pressure 49,800 CUP 57,500 PSI 49,300 CUP 48,500 CUP 48,700 CUP 57,400 PSI 49,300 CUP 49,500 CUP 48,700 CUP 56,900 PSI
Bullet 110 GR. HDY SP 125 GR. SIE SP	Powder Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 22 Bench Mark 8208 AR2206H AR2208	Bullet Diam308" .308" .308" .308" .308" .308" .308" .308" .308" .308" .308"	2.830" C.O.L. 3.170" 3.170" 3.170" 3.150" 3.150" 3.150" 3.060" 3.060"	50.0 Case: V Twist: 1 Primer: Grs. 51.5 52.6 51.0 55.0 49.0 51.5 48.0 54.0 48.0 49.1 48.0	2,209 fps Vinchester :10" Winchester L Start loa Velocity 3,242 fps 3,223 fps 3,155 fps 3,308 fps 2,996 fps 3,100 fps 2,977 fps 3,159 fps 2,986 fps 3,021 fps 2,927 fps	39,100 CUP R ds Pressure 45,600 CUP 46,200 PSI 39,000 CUP 44,400 CUP 40,700 CUP 50,400 PSI 41,400 CUP 45,500 CUP 44,900 CUP 52,100 PSI 38,600 CUP	Grs. 55.0 56.0 57.0 59.0 52.0 54.7 53.7 57.2 51.0 51.7 53.1	Maximum I Velocity 3,396 fps 3,415 fps 3,431 fps 3,452 fps 3,178 fps 3,243 fps 3,229 fps 3,267 fps 3,107 fps 3,126 fps 3,144 fps	oads Pressure 49,800 CUP 57,500 PSI 49,300 CUP 48,500 CUP 48,700 CUP 57,400 PSI 49,300 CUP 49,500 CUP 49,500 CUP 48,700 CUP 48,700 CUP 48,700 CUP 48,700 CUP
Bullet 110 GR. HDY SP 125 GR. SIE SP 130 GR. SPR HP	Powder Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 8208 AR2206H AR2208 Bench Mark 8208 AR2206H AR2208	Bullet Diam308" .308" .308" .308" .308" .308" .308" .308" .308" .308" .308" .308"	2.830" C.O.L. 3.170" 3.170" 3.150" 3.150" 3.150" 3.060" 3.060" 3.060"	50.0 Case: V Twist: 1 Primer: Grs. 51.5 52.6 51.0 55.0 49.0 51.5 48.0 54.0 48.0 49.1 48.0 49.0	2,209 fps Vinchester :10" Winchester L Start loa Velocity 3,242 fps 3,223 fps 3,155 fps 3,308 fps 2,996 fps 3,100 fps 2,977 fps 3,159 fps 2,986 fps 3,021 fps 2,927 fps 2,927 fps 2,937 fps 2,937 fps 2,937 fps 2,938 fps	39,100 CUP R ds Pressure 45,600 CUP 46,200 PSI 39,000 CUP 44,400 CUP 40,700 CUP 50,400 PSI 41,400 CUP 45,500 CUP 44,900 CUP 52,100 PSI 38,600 CUP 41,300 CUP	Grs. 55.0 56.0 57.0 59.0 54.7 53.7 57.2 51.0 51.7 53.1	Maximum I Velocity 3,396 fps 3,415 fps 3,431 fps 3,452 fps 3,178 fps 3,243 fps 3,229 fps 3,267 fps 3,107 fps 3,126 fps 3,144 fps 3,154 fps	46,000 CUP Oads Pressure 49,800 CUP 57,500 PSI 49,300 CUP 48,700 CUP 48,700 CUP 49,500 CUP 49,500 CUP 48,700 CUP 48,700 CUP 48,700 CUP 48,700 CUP 48,700 CUP 48,400 CUP
Bullet 110 GR. HDY SP 125 GR. SIE SP 130 GR. SPR HP	Powder Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 2 Bench Mark 2 Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 8208 AR2206H AR2208 Bench Mark 8208	Bullet Diam308" .308" .308" .308" .308" .308" .308" .308" .308" .308" .308" .308" .308" .308"	2.830" C.O.L. 3.170" 3.170" 3.170" 3.150" 3.150" 3.060" 3.060" 3.060" 3.300"	50.0 Case: V Twist: 1 Primer: Grs. 51.5 52.6 51.0 55.0 49.0 51.5 48.0 54.0 49.1 48.0 49.1 48.0 49.0 44.0	2,209 fps Vinchester :10" Winchester L Start loa Velocity 3,242 fps 3,223 fps 3,155 fps 3,308 fps 2,996 fps 3,100 fps 2,977 fps 3,159 fps 2,986 fps 3,021 fps 2,927 fps 2,927 fps 2,979 fps 2,631 fps 2,677 fps	39,100 CUP R ds Pressure 45,600 CUP 46,200 PSI 39,000 CUP 44,400 CUP 40,700 CUP 41,400 CUP 45,500 CUP 44,900 CUP 44,900 CUP 52,100 PSI 38,600 CUP 41,300 CUP 46,400 PSI 50,100 PSI	Grs. 55.0 56.0 57.0 59.0 52.0 51.7 53.1 53.5 48.0 47.7	Maximum I Velocity 3,396 fps 3,415 fps 3,431 fps 3,452 fps 3,178 fps 3,229 fps 3,267 fps 3,107 fps 3,126 fps 3,144 fps 2,850 fps 2,838 fps	0ads Pressure 49,800 CUP 57,500 PSI 49,300 CUP 48,500 CUP 48,700 CUP 49,300 CUP 49,300 CUP 49,500 CUP 49,500 CUP 48,700 CUP 48,700 CUP 56,900 PSI 46,100 CUP 48,400 CUP 58,600 PSI 58,500 PSI
Bullet 110 GR. HDY SP 125 GR. SIE SP 130 GR. SPR HP	Powder Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 8208 AR2206H AR2208 Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 8208 AR2206H AR2208	Bullet Diam308" .308" .308" .308" .308" .308" .308" .308" .308" .308" .308" .308" .308" .308" .308" .308" .308"	2.830" C.O.L. 3.170" 3.170" 3.170" 3.150" 3.150" 3.060" 3.060" 3.060" 3.300" 3.300"	50.0 Case: V Twist: 1 Primer: Grs. 51.5 52.6 51.0 55.0 49.0 51.5 48.0 54.0 48.0 49.1 48.0 49.1 48.0 49.0 44.0 44.0 43.0	2,209 fps Vinchester :10" Winchester L Start loa Velocity 3,242 fps 3,223 fps 3,155 fps 3,308 fps 2,996 fps 3,100 fps 2,977 fps 3,159 fps 2,986 fps 3,021 fps 2,927 fps 2,979 fps 2,631 fps 2,658 fps	39,100 CUP R ds Pressure 45,600 CUP 46,200 PSI 39,000 CUP 44,400 CUP 40,700 CUP 41,400 CUP 45,500 CUP 44,900 CUP 44,900 CUP 41,300 CUP 41,300 CUP 46,400 PSI 50,100 PSI 49,000 PSI	Grs. 55.0 56.0 57.0 59.0 54.7 53.7 57.2 51.0 51.7 53.5 48.0 47.7 47.5	Maximum I Velocity 3,396 fps 3,415 fps 3,415 fps 3,452 fps 3,178 fps 3,243 fps 3,267 fps 3,126 fps 3,126 fps 3,144 fps 2,850 fps 2,863 fps 2,863 fps	46,000 CUP Oads Pressure 49,800 CUP 57,500 PSI 49,300 CUP 48,700 CUP 48,700 CUP 49,500 CUP 48,700 CUP 48,700 CUP 48,700 CUP 56,900 PSI 46,100 CUP 58,600 PSI 58,500 PSI 59,700 PSI
Bullet 110 GR. HDY SP 125 GR. SIE SP	Powder Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 8208 AR2206H AR2208 Bench Mark 2 Bench Mark 2 Bench Mark 2 Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 8208 AR2206H AR2208	Bullet Diam. .308" .308" .308" .308" .308" .308" .308" .308" .308" .308" .308" .308" .308" .308" .308" .308" .308" .308"	2.830" C.O.L. 3.170" 3.170" 3.150" 3.150" 3.150" 3.060" 3.060" 3.060" 3.300" 3.300" 3.300"	50.0 Case: V Twist: 1 Primer: Grs. 51.5 52.6 51.0 55.0 49.0 51.5 48.0 48.0 49.1 48.0 49.1 48.0 49.0 44.0 44.0 43.0 46.0	2,209 fps Vinchester :10" Winchester L Start loa Velocity 3,242 fps 3,223 fps 3,155 fps 3,308 fps 2,996 fps 3,100 fps 2,977 fps 2,986 fps 3,021 fps 2,927 fps 2,927 fps 2,927 fps 2,631 fps 2,658 fps 2,658 fps 2,697 fps	39,100 CUP R ds Pressure 45,600 CUP 46,200 PSI 39,000 CUP 44,400 CUP 40,700 CUP 50,400 PSI 41,400 CUP 44,900 CUP 44,900 CUP 44,900 CUP 44,900 CUP 41,300 CUP 41,300 CUP 41,300 CUP 41,300 CUP 41,300 PSI 49,900 PSI 49,900 PSI	Grs. 55.0 56.0 57.0 59.0 52.0 54.7 53.1 53.5 48.0 47.7 47.5 49.5	Maximum I Velocity 3,396 fps 3,415 fps 3,431 fps 3,452 fps 3,178 fps 3,243 fps 3,229 fps 3,267 fps 3,107 fps 3,126 fps 3,144 fps 2,850 fps 2,863 fps 2,863 fps 2,860 fps	46,000 CUP Oads Pressure 49,800 CUP 57,500 PSI 49,300 CUP 48,500 CUP 48,700 CUP 49,300 CUP 49,300 CUP 49,300 CUP 49,500 CUP 48,700 CUP 56,900 PSI 46,100 CUP 58,600 PSI 58,500 PSI 59,700 PSI
Bullet 110 GR. HDY SP 125 GR. SIE SP	Powder Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 8208 AR2206H AR2208 Bench Mark 2 Bench Mark 8208 AR2206H AR2208 Bench Mark 8208 AR2206H AR2208	Bullet Diam308" .308" .308" .308" .308" .308" .308" .308" .308" .308" .308" .308" .308" .308" .308" .308" .308"	2.830" C.O.L. 3.170" 3.170" 3.170" 3.150" 3.150" 3.060" 3.060" 3.060" 3.300" 3.300"	50.0 Case: V Twist: 1 Primer: Grs. 51.5 52.6 51.0 55.0 49.0 51.5 48.0 54.0 48.0 49.1 48.0 49.1 48.0 49.0 44.0 44.0 43.0	2,209 fps Vinchester :10" Winchester L Start loa Velocity 3,242 fps 3,223 fps 3,155 fps 3,308 fps 2,996 fps 3,100 fps 2,977 fps 3,159 fps 2,986 fps 3,021 fps 2,927 fps 2,979 fps 2,631 fps 2,658 fps	39,100 CUP R ds Pressure 45,600 CUP 46,200 PSI 39,000 CUP 44,400 CUP 40,700 CUP 41,400 CUP 45,500 CUP 44,900 CUP 44,900 CUP 41,300 CUP 41,300 CUP 46,400 PSI 50,100 PSI 49,000 PSI	Grs. 55.0 56.0 57.0 59.0 54.7 53.7 57.2 51.0 51.7 53.5 48.0 47.7 47.5	Maximum I Velocity 3,396 fps 3,415 fps 3,415 fps 3,452 fps 3,178 fps 3,243 fps 3,267 fps 3,126 fps 3,126 fps 3,144 fps 2,850 fps 2,863 fps 2,863 fps	46,000 CUP Oads Pressure 49,800 CUP 57,500 PSI 49,300 CUP 48,700 CUP 57,400 PSI 49,300 CUP 48,700 CUP 48,700 CUP 48,700 CUP 48,700 CUP 56,900 PSI 46,100 CUP 58,600 PSI 58,500 PSI 59,700 PSI

Case: Winchester Barrel length: 24"

Twist: 1:10" Trim length: 2.484

30-06 Springfield				Twist: 1	:10"		Trim len	ngth: 2.484"	
				Primer:	Winchester L	R			
					Start loa	ds		Maximum	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
	Bench Mark 2	.308"	3.250"	46.5	2,792 fps	44,600 CUP	49.5	2,944 fps	49,300 CUP
	Bench Mark 8208	.308"	3.250"	47.0	2,797 fps	50,500 PSI	50.0	2,935 fps	58,400 PSI
	AR2206H	.308"	3.250"	46.0	2,806 fps	44,400 CUP	51.0	2,976 fps	48,500 CUP
	AR2208	.308"	3.250"	47.0	2,808 fps	42,600 CUP	51.0	2,975 fps	50,000 CUP
	AR2209	.308"	3.250"	56.0	2,792 fps	37,100 CUP	62.0C	3,068 fps	48,400 CUP
155 GR. SIE HPBT	Bench Mark 2	.308"	3.225"	46.5	2,779 fps	40,500 CUP	49.5	2,916 fps	49,400 CUP
	Bench Mark 8208	.308"	3.225"	46.1	2,747 fps	50,400 PSI	49.0	2,869 fps	57,500 PSI
	AR2206H	.308"	3.225"	46.0	2,752 fps	41,200 CUP	51.0	2,925 fps	45,600 CUP
	AR2208	.308"	3.225"	48.0	2,822 fps	44,600 CUP	50.7	2,958 fps	48,800 CUP
	AR2209	.308"	3.225"	56.0	2,757 fps	36,000 CUP	62.0C	3,038 fps	47,500 CUP
165 GR. SIE SPBT	Bench Mark 2	.308"	3.300"	45.0	2,686 fps	45,600 CUP	47.7	2,795 fps	49,300 CUP
165 GR. HDY GMX	Bench Mark 8208	.308"	3.225"	43.2	2,572 fps	50,800 PSI	47.0	2,717 fps	58,300 PSI
	AR2206H	.308"	3.225"	43.4	2,595 fps	50,300 PSI	46.7	2,712 fps	57,100 PSI
	AR2208	.308"	3.225"	44.5	2,526 fps	46,600 PSI	48.3	2,724 fps	59,000 PSI
	AR2209	.308"	3.225"	51.0	2,587 fps	48,600 PSI	55.4	2,781 fps	59,200 PSI
165 GR. SIE SPBT	Bench Mark 8208	.308"	3.300"	44.6	2,667 fps	55,100 PSI	46.5	2,728 fps	58,000 PSI
	AR2206H	.308"	3.300"	43.0	2,607 fps	41,100 CUP	47.5	2,782 fps	49,000 CUP
	AR2208	.308"	3.300"	47.0	2,726 fps	44,500 CUP	50.5	2,873 fps	49,700 CUP
	AR2209	.308"	3.300"	53.0	2,678 fps	38,400 CUP	59.0	2,938 fps	49,400 CUP
168 GR. HDY HPBT	Bench Mark 2	.308"	3.230"	44.0	2,614 fps	42,900 CUP	47.2	2,760 fps	49,400 CUP
	Bench Mark 8208	.308"	3.230"	45.1	2,661 fps	54,800 PSI	48.0	2,748 fps	58,700 PSI
	AR2206H	.308"	3.230"	43.0	2,574 fps	41,200 CUP	47.5	2,789 fps	50,000 CUP
	AR2208	.308"	3.230"	47.0	2,710 fps	42,700 CUP	50.5	2,859 fps	49,200 CUP
	AR2209	.308"	3.230"	55.0	2,695 fps	40,400 CUP	59.0	2,897 fps	48,100 CUP
175 GR. SIE HPBT	AR2206H	.308"	3.300"	43.8	2,584 fps	44,100 CUP	46.7	2,700 fps	49,000 CUP
	AR2208	.308"	3.300"	45.0	2,551 fps	41,700 CUP	48.0	2,694 fps	49,000 CUP
	AR2209	.308"	3.300"	55.0	2,661 fps	42,100 CUP	59.0	2,842 fps	48,700 CUP
	AR2213SC	.308"	3.300"	57.0	2,535 fps	38,300 CUP	61.5C	2,719 fps	44,400 CUP
180 GR. SIE SPBT	Bench Mark 2	.308"	3.300"	43.0	2,550 fps	45,600 CUP	46.0	2,660 fps	49,000 CUP
	AR2206H	.308"	3.300"	41.0	2,427 fps	38,100 CUP	46.0	2,638 fps	48,800 CUP
	AR2208	.308"	3.300"	44.0	2,533 fps	41,900 CUP	47.0	2,668 fps	50,000 CUP
	AR2209	.308"	3.300"	52.0	2,543 fps	37,800 CUP	57.5	2,798 fps	49,300 CUP
	AR2213SC	.308"	3.300"	54.0	2,447 fps	34,700 CUP	60.0C	2,710 fps	44,300 CUP
190 GR. HDY BTSP	AR2206H	.308"	3.220"	41.0	2,380 fps	41,400 CUP	45.5	2,525 fps	48,000 CUP
	AR2208	.308"	3.220"	43.5	2,450 fps	41,800 CUP	46.5	2,608 fps	49,700 CUP
	AR2209	.308"	3.220"	51.0	2,451 fps	39,500 CUP	56.5	2,692 fps	49,200 CUP
	AR2213SC	.308"	3.220"	57.0	2,514 fps	44,100 CUP	61.0C	2,668 fps	50,000 CUP
200 GR. NOS AB	AR2206H	.308"	3.300"	41.0	2,355 fps	43,700 CUP	44.0	2,474 fps	49,500 CUP
	AR2208	.308"	3.300"	42.0	2,337 fps	41,900 CUP	47.0	2,505 fps	49,100 CUP
	AR2209	.308"	3.300"	50.0	2,412 fps	40,400 CUP	53.7	2,580 fps	48,400 CUP
	AR2213SC	.308"	3.300"	55.0	2,427 fps	42,100 CUP	59.0C	2,586 fps	49,300 CUP
	AR2217	.308"	3.300"	57.0	2,329 fps	35,800 CUP	61.0C	2,487 fps	42,200 CUP
200 GR. SPR SP	AR2206H	.308"	3.230"	39.0	2,246 fps	40,700 CUP	43.5	2,421 fps	49,200 CUP
	AR2208	.308"	3.230"	42.5	2,373 fps	44,700 CUP	45.5	2,501 fps	49,600 CUP
	AR2209	.308"	3.230"	50.0	2,431 fps	44,500 CUP	53.0	2,544 fps	49,100 CUP

				Case: V	Vinchester		Barrel le	ength: 24"		
30-06 Springfield				Twist: 1	:10"		Trim len	igth: 2.484"		
.				Primer:	Winchester LI	R				
					Start load	ds		Maximum I	oads	
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure	
	AR2213SC	.308"	3.230"	54.0	2,436 fps	43,200 CUP	57.5C	2,577 fps	49,400 CUF	
	AR2217	.308"	3.230"	55.0	2,267 fps	33,600 CUP	61.0C	2,510 fps	44,400 CUF	
208 GR. HDY A-MAX	AR2206H	.308"	3.285"	38.9	2,203 fps	48,700 PSI	43.2	2,362 fps	57,400 PSI	
	AR2208	.308"	3.285"	40.9	2,226 fps	47,900 PSI	45.0	2,415 fps	59,200 PSI	
	AR2209	.308"	3.285"	47.6	2,303 fps	47,600 PSI	52.4	2,499 fps	59,600 PSI	
	AR2213SC	.308"	3.285"	52.1	2,301 fps	47,100 PSI	58.0C	2,511 fps	58,700 PSI	
220 GR. HDY JRN	AR2208	.308"	3.230"	42.0	2,279 fps	44,000 CUP	45.0	2,382 fps	49,400 CUF	
	AR2209	.308"	3.230"	50.0	2,318 fps	43,400 CUP	53.0	2,435 fps	49,200 CUF	
	AR2213SC	.308"	3.230"	54.0	2,342 fps	43,300 CUP	57.5C	2,458 fps	48,600 CUF	
	AR2217	.308"	3.230"	58.0	2,293 fps	36,500 CUP	61.0C	2,412 fps	43,600 CUF	
	_	<u> </u>	•	Case:			Down I I	ength: 24"		
20.00				Twist: -			Trim len	Ū		
30-06 Improved				Primer:			minie	ıguı		
				Primer.	Start load	-d-	Maximum loads			
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure	
130 GR.	AR2209	Bullet Diairi.	C.O.L.	GIS.	velocity	riessure	65.0	3,250 fps	- Fiessure	
150 GR. 150 GR.		-	-	-	-	-			-	
	AR2209	-	-	-	-	-	62.5	3,100 fps	-	
165 GR.	AR2209	-	-	-	-	-	59.5	3,000 fps	-	
180 GR.	AR2209	-	-	-	-	-	58.0	2,900 fps	-	
200 GR.	AR2209	-	-	-	-	-	56.0	2,750 fps	-	
				Case: V	Vinchester		Barrel le	ength: 24"		
300 H & H Magnum	1			Twist: 1	·10"		Trim len	gth: 2.840"		
				Twist: 1:10" Trim length: 2.8				_		
				Primer:	Winchester LI	R		_		
				Primer:		-		Maximum I	oads	
Bullet	Powder	Bullet Diam.	C.O.L.	Primer:	Winchester LI	-	Grs.	Maximum I	oads Pressure	
	Powder AR2209	Bullet Diam.	C.O.L.		Winchester LI	ds		1	I	
				Grs.	Winchester Li Start load Velocity	ds	Grs.	Velocity	I	
130 GR. SPR HP	AR2209	.308"	3.440"	Grs . 68.0	Winchester Li Start load Velocity 3,142 fps	ds Pressure	Grs. 72.0	Velocity 3,394 fps	I	
130 GR. SPR HP	AR2209 AR2213SC	.308"	3.440" 3.440"	Grs. 68.0 75.0	Winchester LI Start load Velocity 3,142 fps 3,186 fps	ds Pressure -	Grs. 72.0 81.0	Velocity 3,394 fps 3,362 fps	Pressure -	
130 GR. SPR HP 150 GR. HDY SP	AR2209 AR2213SC AR2209	.308" .308"	3.440" 3.440" 3.560"	Grs. 68.0 75.0 67.0	Start load Velocity 3,142 fps 3,186 fps 2,998 fps	Pressure	Grs. 72.0 81.0 71.0	Velocity 3,394 fps 3,362 fps 3,202 fps	Pressure	
130 GR. SPR HP 150 GR. HDY SP	AR2209 AR2213SC AR2209 AR2213SC	.308" .308" .308" .308"	3.440" 3.440" 3.560" 3.560"	Grs. 68.0 75.0 67.0 72.0	Winchester Li Start load Velocity 3,142 fps 3,186 fps 2,998 fps 3,096 fps	ds Pressure	Grs. 72.0 81.0 71.0 78.0	Velocity 3,394 fps 3,362 fps 3,202 fps 3,313 fps	Pressure	
130 GR. SPR HP 150 GR. HDY SP 165 GR. NOS PART	AR2209 AR2213SC AR2209 AR2213SC AR2209	.308" .308" .308" .308"	3.440" 3.440" 3.560" 3.560" 3.560"	Grs. 68.0 75.0 67.0 72.0 66.0	Start load Velocity 3,142 fps 3,186 fps 2,998 fps 3,096 fps 3,018 fps	Pressure	Grs. 72.0 81.0 71.0 78.0 69.0	Velocity 3,394 fps 3,362 fps 3,202 fps 3,313 fps 3,164 fps	Pressure	
130 GR. SPR HP 150 GR. HDY SP 165 GR. NOS PART	AR2209 AR2213SC AR2209 AR2213SC AR2209 AR2213SC	.308" .308" .308" .308" .308"	3.440" 3.560" 3.560" 3.560" 3.560"	Grs. 68.0 75.0 67.0 72.0 66.0 71.0	Start load Velocity 3,142 fps 3,186 fps 2,998 fps 3,096 fps 3,018 fps 2,949 fps 2,747 fps	ds Pressure	Grs. 72.0 81.0 71.0 78.0 69.0 77.0	Velocity 3,394 fps 3,362 fps 3,202 fps 3,313 fps 3,164 fps 3,099 fps 2,909 fps	Pressure	
130 GR. SPR HP 150 GR. HDY SP 165 GR. NOS PART 200 GR. SIE HPBT	AR2209 AR2213SC AR2209 AR2213SC AR2209 AR2213SC AR2209 AR2213SC AR2209	.308" .308" .308" .308" .308" .308"	3.440" 3.560" 3.560" 3.560" 3.560" 3.655"	Grs. 68.0 75.0 67.0 72.0 66.0 71.0	Start load Velocity 3,142 fps 3,186 fps 2,998 fps 3,096 fps 3,018 fps 2,949 fps 2,747 fps 2,737 fps	ds Pressure	72.0 81.0 71.0 78.0 69.0 77.0 66.0	Velocity 3,394 fps 3,362 fps 3,202 fps 3,313 fps 3,164 fps 3,099 fps	Pressure	
130 GR. SPR HP 150 GR. HDY SP 165 GR. NOS PART 200 GR. SIE HPBT	AR2209 AR2213SC AR2209 AR2213SC AR2209 AR2213SC AR2209 AR2213SC AR2209 AR2213SC AR2209	.308" .308" .308" .308" .308" .308" .308" .308" .308"	3.440" 3.560" 3.560" 3.560" 3.560" 3.655" 3.655" 3.655"	Grs. 68.0 75.0 67.0 72.0 66.0 71.0 62.0 67.0	Vinchester Li Start load Velocity 3,142 fps 3,186 fps 2,998 fps 3,096 fps 3,018 fps 2,949 fps 2,747 fps 2,737 fps 2,595 fps	ds Pressure	72.0 81.0 71.0 78.0 69.0 77.0 66.0 72.0 64.0	Velocity 3,394 fps 3,362 fps 3,202 fps 3,313 fps 3,164 fps 3,099 fps 2,909 fps 2,932 fps 2,717 fps		
Bullet 130 GR. SPR HP 150 GR. HDY SP 165 GR. NOS PART 200 GR. SIE HPBT 220 GR. HDY RN	AR2209 AR2213SC AR2209 AR2213SC AR2209 AR2213SC AR2209 AR2213SC AR2209 AR2213SC	.308" .308" .308" .308" .308" .308" .308"	3.440" 3.440" 3.560" 3.560" 3.560" 3.560" 3.655"	Grs. 68.0 75.0 67.0 72.0 66.0 71.0 62.0 67.0	Start load Velocity 3,142 fps 3,186 fps 2,998 fps 3,096 fps 3,018 fps 2,949 fps 2,747 fps 2,737 fps	ds Pressure	72.0 81.0 71.0 78.0 69.0 77.0 66.0 72.0	Velocity 3,394 fps 3,362 fps 3,202 fps 3,313 fps 3,164 fps 3,099 fps 2,909 fps 2,932 fps		

308 Norma Magnui	m			Case: Norma Twist: 1:10"			Barrel length: 26" Trim length: 2.550"		
				Primer:	CCI 250				
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
100 GR. SPR RN SP	AR2206H	.308"	2.870"	_	-	-	52.0	2,997 fps	-
110 GR. SIE HP	AR2206H	.308"	3.160"	59.0	3,339 fps	41,400 CUP	64.0	3,554 fps	53,000 CUP
	AR2209	.308"	3.160"	72.0	3,202 fps	39,400 CUP	77.0	3,506 fps	51,200 CUP
	AR2213SC	.308"	3.160"	73.0	3,229 fps	37,800 CUP	80.0	3,563 fps	50,100 CUP
130 GR. HDY SP	AR2206H	.308"	3.275"	59.0	3,166 fps	42,600 CUP	64.0	3,388 fps	50,500 CUP
	AR2209	.308"	3.275"	71.0	3,139 fps	42,400 CUP	74.0	3,292 fps	51,400 CUP
	AR2213SC	.308"	3.275"	73.0	3,201 fps	40,800 CUP	79.0	3,302 fps	45,900 CUP
	AR2217	.308"	3.275"	80.0	3,211 fps	44,400 CUP	84.0	3,333 fps	46,400 CUP
150 GR. NOS PART	AR2206H	.308"	3.300"	57.0	2,940 fps	42,000 CUP	62.0	3,192 fps	54,700 CUP
	AR2209	.308"	3.300"	69.0	2,914 fps	43,100 CUP	73.0	3,188 fps	51,200 CUP
	AR2213SC	.308"	3.300"	70.0	3,157 fps	47,800 CUP	76.0	3,258 fps	51,900 CUP
	AR2217	.308"	3.300"	79.0	3,090 fps	46,600 CUP	83.0	3,279 fps	50,800 CUP
168 GR. SIE HPBT	AR2206H	.308"	3.250"	56.0	2,859 fps	48,200 CUP	61.0	3,059 fps	52,100 CUP
	AR2209	.308"	3.250"	68.0	2,880 fps	42,000 CUP	72.0	3,114 fps	51,000 CUP
	AR2213SC	.308"	3.250"	69.0	2,944 fps	43,800 CUP	75.0	3,140 fps	52.300 CUP
	AR2217	.308"	3.250"	75.0	2,939 fps	47,100 CUP	79.0	3,123 fps	52,000 CUP
180 GR. HDY SP	AR2206H	.308"	3.345"	54.0	2,732 fps	48,200 CUP	59.0	2,898 fps	53,400 CUP
	AR2209	.308"	3.345"	65.0	2,770 fps	43,000 CUP	69.0	2,999 fps	52,800 CUP
	AR2213SC	.308"	3.345"	67.0	2,865 fps	43,200 CUP	73.0	3,022 fps	52,300 CUP
	AR2217	.308"	3.345"	72.0	2,769 fps	45,900 CUP	76.0	2,940 fps	51,900 CUP
190 GR. HDY BTSP	AR2217	.308"	3.435"	70.0	2,711 fps	45,500 CUP	74.0	2,891 fps	51,100 CUP
200 GR. NOS PART	AR2209	.308"	3.400"	63.0	2,740 fps	44,700 CUP	67.0	2,851 fps	52,100 CUP
	AR2213SC	.308"	3.400"	64.5	2,662 fps	44,400 CUP	70.0	2,889 fps	52.700 CUP
	AR2217	.308"	3.400"	69.0	2,674 fps	47,400 CUP	73.0	2,859 fps	54,500 CUP
220 GR. HDY RN	AR2209	.308"	3.360"	61.0	2,519 fps	42,200 CUP	65.0	2,707 fps	52,800 CUP
	AR2213SC	.308"	3.360"	63.0	2,437 fps	42,600 CUP	68.0	2,697 fps	52,700 CUP
	AR2217	.308"	3.360"	66.0	2,449 fps	46,000 CUP	70.0	2,672 fps	52,000 CUP
					·	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
				Case: H	•			ength: 24"	
300 Ruger Compac	ct Magnum			Twist: 1			ı rım ier	ngth: 2.090"	
				Primer:	Winchester L	RM			
	1		_		Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
135 GR. SIE HPBT	AR2206H	.308"	2.820"	54.0	3,090 fps	50,900 PSI	57.4	3,259 fps	60,000 PSI
	AR2208	.308"	2.820"	55.2	3,064 fps	51,300 PSI	58.7	3,267 fps	63,200 PSI
150 GR. HDY IB	AR2206H	.308"	2.830"	51.7	2,922 fps	52,000 PSI	55.0	3,091 fps	62,500 PSI
	AR2208	.308"	2.830"	53.0	2,918 fps	53,600 PSI	56.4	3,086 fps	62,700 PSI
	AR2209	.308"	2.830"	59.1	2,901 fps	50,300 PSI	63.5C	3,118 fps	61,800 PSI
155 GR. NOS HPBT	AR2206H	.308"	2.830"	52.5	2,929 fps	54,700 PSI	55.0	3,066 fps	62,300 PSI
	AR2208	.308"	2.830"	52.6	2,896 fps	53,800 PSI	56.0	3,041 fps	61,900 PSI
	AR2209	.308"	2.830"	58.6	2,819 fps	47,100 PSI	62.3	3,062 fps	60,800 PSI
165 GR. BAR TSX	AR2206H	.308"	2.800"	49.8	2,785 fps	55,900 PSI	53.0	2,917 fps	62,700 PSI
	AR2208	.308"	2.800"	50.1	2,718 fps	53,100 PSI	54.2	2,908 fps	62,600 PSI
	AR2209	.308"	2.800"	58.8	2,843 fps	55,600 PSI	62.5C	2,979 fps	62,700 PSI
168 GR. SIE HPBT	AR2206H	.308"	2.820"	50.3	2,803 fps	56,600 PSI	53.5	2,907 fps	61,700 PSI
	AR2208	.308"	2.820"	51.0	2,755 fps	52,900 PSI	54.3	2,890 fps	60,500 PSI

Case: Homady Barrel length: 24" Twist: 1:10" Trim length: 2.090" 300 Ruger Compact Magnum Primer: Winchester LRM Start loads Maximum loads **Bullet** Powder Bullet Diam. C.O.L. Grs. Velocity **Pressure** Grs. Velocity **Pressure** AR2209 57.3 47,900 PSI 61,200 PSI .308" 2 820" 2,736 fps 61.0 2,947 fps 178 GR. HDY A-MAX AR2206H 2 840" 54,000 PSI 61,200 PSI 308" 484 2,685 fps 515 2,793 fps AR2208 .308" 2.840" 50.0 2,701 fps 55.500 PSI 53.2 62,300 PSI 2,820 fps AR2209 2.840" 56.9 53,600 PSI 60.5C 62,200 PSI .308" 2,729 fps 2,886 fps 180 GR. HDY SP AR2206H .308" 2.820" 47.2 2,575 fps 51,900 PSI 50.2 60,400 PSI 2.711 fps AR2208 308 2 820' 494 2,625 fps 54 800 PSI 2,755 fps 62 700 PSI AR2209 2.820" 56.4 2,648 fps 50,700 PSI 60.0C 62,600 PSI .308" 2,826 fps 200 GR. SFT AF/SS AR2206H .308" 2.775" 45.6 2,440 fps 54,600 PSI 48.5 61,800 PSI 2.546 fps AR2208 57,200 PSI .308" 2.775" 48.3 2,498 fps 51.4 2,586 fps 61.700 PSI AR2209 .308'2.775" 55.2 2,544 fps 53,300 PSI 58.7C 2,710 fps 62,600 PSI

300 Remington S.A. Ultra Mag.

Case: Remington

Twist: 1:10"

Barrel length: 24" Trim length: 2.005"

Primer: Remington 9 1/2M Start loads Maximum loads **Bullet Diam.** C.O.L Bullet Powder Grs. Velocity Pressure Grs. Velocity Pressure 110 GR. SPR SP AR2206H 308" 2 600" 58.0 3,431 fps 50,600 PSI 62.0 3,663 fps 63.000 PSI 51,100 PSI 63,200 PSI AR2208 .308" 2 600" 60.5 3,391 fps 64.5 3,619 fps 125 GR, NOS BT AR2206H 58.0 54,700 PSI 64,300 PSI .308'2 825' 3,341 fps 620 3,557 fps AR2208 .308" 2.825" 60.0 52,700 PSI 64,200 PSI 3,297 fps 64.0 3,511 fps .308' 2.825" 65.0 3,172 fps 47,800 PSI 69.0C 58,300 PSI AR2209 3,374 fps 130 GR. HDY SP AR2206H .308" 2.750" 55.5 3,182 fps 51,700 PSI 59.0 3,360 fps 62,800 PSI AR2208 57.5 3,165 fps 53,600 PSI 62,600 PSI .308" 2.750" 61.0 $3.330 \, \text{fps}$ AR2209 .308" 2.750" 65.0 3,198 fps 54,700 PSI 69.0C 3,359 fps 63,500 PSI 135 GR. SIE SP AR2206H .308' 2.750" 55.5 3,166 fps 52.700 PSI 59.0 3,340 fps 62.500 PSI AR2208 308" 2 750" 56.5 3,079 fps 52,000 PSI 60.0 63,100 PSI 3,272 fps AR2209 308" 2 750" 63.0 $3.090 \, \text{fps}$ 51,900 PSI 67.0C 3.283 fps 63.500 PSI 150 GR. SPR GSSP AR2206H .308" 2.700" 53.0 3,007 fps 55,900 PSI 57.0 62,800 PSI 3,147 fps AR2208 308" 2.700" 55.0 2,967 fps 52,700 PSI 590 3,148 fps 63,200 PSI 2,985 fps AR2209 .308" 2.700" 62.0 52,600 PSI 65.5C 62,100 PSI 3,147 fps 155 GR. HDY A-MAX AR2206H .308" 2.825" 52.0 2,895 fps 50,800 PSI 3,064 fps 61,700 PSI 55.5 AR2208 .308" 2.825" 54.5 2,925 fps 53,900 PSI 57.7 3,082 fps 63,200 PSI AR2209 60.5 50,200 PSI 63,500 PSI .308 2 825' 2,900 fps 64.5 3,112 fps 165 GR. NOS PART AR2206H .308" 2.825" 50.5 2,827 fps 56,500 PSI 54.0 2,946 fps 63,000 PSI AR2208 .308'2 825' 53.0 2,833 fps 55,400 PSI 56.5 2,967 fps 63,100 PSI AR2209 62.900 PSI 308" 2 825" 590 2,797 fps 50 200 PSI 630 2,997 fps 168 GR. SIE HPBT AR2206H .308' 2.825" 51.0 2,833 fps 57,000 PSI 54.5 2,948 fps 63,100 PSI AR2208 55,600 PSI .308" 2.825" 53.5 2,835 fps 56.5 2,955 fps 62,700 PSI AR2209 58.0 49,500 PSI 63,000 PSI .308'2.825 2,771 fps 62.5 2,985 fps AR2213SC .308" 2 825" 64.0 2,801 fps 53,200 PSI 68.0C 2,950 fps 62,600 PSI 175 GR. SIE HPBT 2 825' 59.0 AR2209 308" 2,806 fps 54,000 PSI 62.5 2,945 fps 62.700 PSI AR2213SC .308" 2.825" 64.0 54,800 PSI 62,600 PSI 2,785 fps 68.0C 2,924 fps 180 GR. SFT SCIR 48 N 57,000 PSI 2,823 fps AR2206H 308" 2 825' 2,693 fps 515 64,700 PSI AR2208 308" 2 825" 50.0 2,680 fps 53,600 PSI 540 2,842 fps 63,600 PSI AR2209 55,600 PSI .308" 2.825 58.0 2,772 fps 61.6C 2.907 fps 63.500 PSI 190 GR. SIE HPBT AR2209 .308" 2.825" 56.0 2,660 fps 52,100 PSI 60.0 2,836 fps 62,900 PSI

				Case: R	Remington		Rarrel le	ength: 24"	
200 Dominaton C A	Lilitus Mass			Twist: 1	•			gth: 2.005"	
300 Remington S.A	. Ultra Mag.					4/01/4		Igui. 2.000	
				Primer:	Remington 9				
			ı		Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
	AR2213SC	.308"	2.825"	61.0	2,660 fps	54,000 PSI	65.5C	2,811 fps	62,800 PSI
200 GR. NOS PART	AR2209	.308"	2.825"	56.0	2,584 fps	51,600 PSI	59.5C	2,751 fps	63,200 PSI
	AR2213SC	.308"	2.825"	63.0	2,639 fps	55,500 PSI	66.0C	2,755 fps	63,300 PSI
220 GR. HDY RN	AR2209	.308"	2.750"	54.0	2,470 fps	54,200 PSI	58.0	2,608 fps	63,700 PSI
	AR2213SC	.308"	2.750"	60.0	2,497 fps	55,800 PSI	63.5C	2,614 fps	63,500 PSI
				Case: V	Vinchester		Barrel le	ength: 24"	
300 Winchester Sho	ort Magnum			Twist: 1	:10"		Trim len	gth: 2.090"	
JUD WINCHESTER ON	ortimagnam			Primer	Winchester LI	RM		•	
				1 11111011				Maximumal	
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Start load		C.v.	Maximum I	Pressure
110 GR. SPR SP	Bench Mark 8208	.308"	2.650"	60.3	Velocity 3,555 fps	Pressure 54,400 PSI	Grs. 63.5	Velocity 3,697 fps	62,400 PSI
IIV GR. SFR SF	AR2206H	.308"	2.650"	60.0	3,495 fps	54,400 PSI 56,800 PSI	63.5	3,647 fps	62,400 PSI 63,600 PSI
	AR2200H AR2208	.308"	2.650"	62.0	3,495 lps 3,454 fps	54,300 PSI	66.0	3,631 fps	63,200 PSI
	AR2208 AR2209	.308"	2.650"	70.0	3,434 fps	54,300 PSI 53,500 PSI	74.5C	3,646 fps	63,200 PSI 63,300 PSI
125 GR. NOS BT	Bench Mark 8208	.308"	2.810"	58.3	3,350 fps	53,600 PSI	62.0	3,496 fps	61,700 PSI
123 GR. 1403 B1	AR2206H	.308"	2.810"	58.0	3,334 fps	56,600 PSI	61.0	3,431 fps	63,000 PSI
	AR2208	.308"	2.810"	61.0	3,312 fps	54,700 PSI	65.0	3,478 fps	63,100 PSI
	AR2209	.308"	2.810"	69.0	3,332 fps	55,800 PSI	73.0	3,481 fps	63,000 PSI
130 GR. HDY SP	Bench Mark 8208	.308"	2.720"	56.4	3,272 fps	56,600 PSI	60.0	3,461 lps 3,391 fps	61,900 PSI
130 GR. HDT SP	AR2206H	.308"	2.720"	56.0		55,700 PSI	58.5	3,318 fps	63,000 PSI
	AR2200H AR2208	.308"	2.720"	60.0	3,213 fps 3,269 fps	58,100 PSI	63.5	3,388 fps	63,500 PSI
	AR2209	.308"	2.720"	67.0	3,237 fps	54,900 PSI	71.0	3,393 fps	63,200 PSI
150 GR. SPR GSSP	Trail Boss	.308"	2.720	16.3	1,473 fps	26,400 PSI	23.3	1,758 fps	31,600 PSI
130 GR. 3FR G33F	Bench Mark 8208	.308"	2.780"	52.6	2,992 fps	55,800 PSI	56.0	3,115 fps	62.300 PSI
	AR2206H	.308"	2.780"	51.0	2,992 lps 2,919 fps	53,400 PSI	54.5	3,113 lps 3,078 fps	63,100 PSI
	AR2208	.308"	2.780"	55.0	3,008 fps	56.800 PSI	58.5	3,140 fps	63,800 PSI
	AR2209	.308"	2.780"	63.0	3,040 fps	55,700 PSI	67.0	3,187 fps	63,200 PSI
155 GR. HDY A-MAX	Bench Mark 8208	.308"	2.860"	53.0	2,990 fps	56,800 PSI	56.4	3,110 fps	63,400 PSI
100 GIV. FIDT AMIAX	AR2206H	.308"	2.860"	52.0	2,935 fps	55,800 PSI	55.0	3,061 fps	63,600 PSI
	AR2208	.308"	2.860"	55.0	2,963 fps	54,800 PSI	58.5	3,110 fps	63,600 PSI
	AR2209	.308"	2.860"	63.0	3,014 fps	55,300 PSI	66.5	3,156 fps	63,200 PSI
165 GR. HDY GMX	Bench Mark 8208	.308"	2.840"	48.0	2,743 fps	55,600 PSI	52.0	2,887 fps	63,300 PSI
100 GILTIDI GIIIX	AR2206H	.308"	2.840"	47.0	2,700 fps	51,900 PSI	51.0	2,887 fps	63,300 PSI
	AR2208	.308"	2.840"	51.0	2,810 fps	56,700 PSI	54.5	2,948 fps	63,600 PSI
	AR2209	.308"	2.840"	58.0	2,821 fps	52,400 PSI	62.0C	2,986 fps	61,300 PSI
165 GR. NOS PART	Bench Mark 8208	.308"	2.860"	51.1	2,849 fps	55,600 PSI	54.4	2,963 fps	61,700 PSI
J. 1100 i Aiti	AR2206H	.308"	2.860"	51.0	2,810 fps	55,700 PSI	54.0	2,909 fps	63,200 PSI
	AR2208	.308"	2.860"	54.0	2,859 fps	56,400 PSI	57.5	2,987 fps	63,700 PSI
	AR2209	.308"	2.860"	61.0	2,898 fps	54,800 PSI	65.5	3,047 fps	63,600 PSI
168 GR. SIE HPBT	Bench Mark 8208	.308"	2.840"	51.5	2,853 fps	56,400 PSI	54.8	2,970 fps	63,400 PSI
	AR2209	.308"	2.840"	61.0	2,908 fps	56,000 PSI	64.5	3,034 fps	63,700 PSI
	AR2213SC	.308"	2.840"	65.0	2,908 lps 2,848 fps	53,400 PSI	69.5C	3,034 lps	63,200 PSI
175 GR. SIE HPBT	AR22133C	.308"	2.860"	61.0	2,839 fps	53,300 PSI	65.0	3,009 fps	63,400 PSI
I O OIG DIE HEBT	AR2213SC	.308"	2.860"	66.0	2,848 fps	55,300 PSI	70.0C	2,980 fps	63,100 PSI
180 GR. NOS E-TIP	AR22135C AR2209	.308"	2.860"	59.0		•	63.7C	•	63,800 PSI
100 GR. NOS E-TIP	ALTEROS	.300	∠.000	J9.U	2,751 fps	54,900 PSI	U3.7U	2,925 fps	00,000 P31

				Case: V	/inchester		Barrel le	ength: 24"		
300 Winchester Sho	ort Magnum			Twist: 1	:10"		Trim len	igth: 2.090"		
	•			Primer:	Winchester LI	RM				
					Start load	ds	Maximum loads			
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure	
180 GR. SFT SCIR	AR2209	.308"	2.860"	60.0	2,799 fps	55,700 PSI	64.0	2,950 fps	63,900 PSI	
	AR2213SC	.308"	2.860"	65.5	2,775 fps	52,000 PSI	70.0C	2,929 fps	64,000 PSI	
190 GR. SIE HPBT	AR2209	.308"	2.860"	57.5	2,736 fps	56,200 PSI	61.0	2,853 fps	63,400 PSI	
	AR2213SC	.308"	2.860"	62.0	2,704 fps	53,800 PSI	66.5C	2,858 fps	63,400 PSI	
200 GR. SFT SP	AR2209	.308"	2.790"	58.0	2,666 fps	55,000 PSI	62.0	2,792 fps	63,200 PSI	
	AR2213SC	.308"	2.790"	63.0	2,678 fps	56,000 PSI	66.5C	2,802 fps	63,700 PSI	
	AR2217	.308"	2.790"	70.0	2,660 fps	51,600 PSI	72.0C	2,737 fps	57,200 PSI	
208 GR. HDY A-MAX	AR2209	.308"	2.900"	56.4	2,612 fps	55,400 PSI	60.7	2,748 fps	62,800 PSI	
	AR2213SC	.308"	2.900"	61.8	2,624 fps	54,800 PSI	66.5C	2,761 fps	62,500 PSI	
	AR2217	.308"	2.900"	62.0	2,420 fps	42,900 PSI	69.0C	2,670 fps	55,900 PSI	
220 GR. HDY RN	AR2209	.308"	2.830"	54.0	2,476 fps	54,100 PSI	58.0	2,602 fps	63,300 PSI	
	AR2213SC	.308"	2.830"	60.0	2,520 fps	55,600 PSI	64.3C	2,646 fps	63,500 PSI	
	AR2217	.308"	2.830"	69.0	2,597 fps	57,200 PSI	72.5C	2,689 fps	63,000 PSI	
				Case: V	Vinchester		Barrel le	ength: 24"		

300 Winchester Magnum

Twist: 1:10"

Trim length: 2.610"

				Primer:	Winchester L	R			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
110 GR. SPR SP	AR2206H	.308"	3.215"	60.0	3,381 fps	43,300 CUP	67.0	3,665 fps	51,400 CUP
	AR2208	.308"	3.215"	67.0	3,424 fps	42,900 CUP	72.5	3,660 fps	51,700 CUP
	AR2209	.308"	3.215"	72.0	3,337 fps	39,300 CUP	80.0	3,648 fps	49,400 CUP
	AR2213SC	.308"	3.215"	79.0	3,355 fps	41,500 CUP	84.0C	3,540 fps	48,400 CUP
	AR2217	.308"	3.215"	80.0	3,189 fps	34,700 CUP	85.0C	3,392 fps	42,000 CUP
125 GR. BAR XFB	AR2206H	.308"	3.275"	57.0	3,140 fps	44,200 CUP	62.0	3,347 fps	51,100 CUP
	AR2208	.308"	3.275"	65.0	3,281 fps	45,400 CUP	70.0	3,462 fps	52,700 CUP
	AR2209	.308"	3.275"	68.0	3,250 fps	46,100 CUP	73.0	3,424 fps	51,600 CUP
	AR2213SC	.308"	3.275"	75.0	3,286 fps	47,300 CUP	80.0	3,450 fps	52,000 CUP
	AR2217	.308"	3.275"	80.0	3,260 fps	44,200 CUP	85.0C	3,418 fps	48,700 CUP
130 GR. HDY SP	Bench Mark 8208	.308"	3.300"	60.0	3,202 fps	52,200 PSI	65.0	3,386 fps	62,200 PSI
	AR2206H	.308"	3.300"	58.0	3,187 fps	46,900 CUP	62.0	3,331 fps	52,500 CUP
	AR2208	.308"	3.300"	64.0	3,218 fps	45,600 CUP	68.5	3,398 fps	52,100 CUP
	AR2209	.308"	3.300"	70.0	3,219 fps	45,800 CUP	74.0	3,375 fps	51,600 CUP
	AR2213SC	.308"	3.300"	77.0	3,116 fps	44,900 CUP	82.0C	3,383 fps	51,300 CUP
	AR2217	.308"	3.300"	80.0	3,125 fps	38,900 CUP	85.0C	3,289 fps	45,000 CUP
150 GR. BAR TTSX BT	Bench Mark 8208	.308"	3.325"	57.0	2,925 fps	47,900 PSI	64.0	3,183 fps	61,100 PSI
	AR2206H	.308"	3.325"	57.0	3,006 fps	52,000 PSI	63.0	3,186 fps	59,900 PSI
	AR2209	.308"	3.325"	69.0	3,062 fps	49,600 PSI	74.0C	3,289 fps	60,600 PSI
	AR2213SC	.308"	3.325"	75.0	2,985 fps	46,300 PSI	80.0C	3,182 fps	50,100 PSI
150 GR. SIE SP	Trail Boss	.308"	3.340"	18.0	1,302 fps	18,400 PSI	25.5	1,687 fps	28,600 PSI
	Bench Mark 8208	.308"	3.340"	57.0	2,987 fps	52,600 PSI	61.5	3,156 fps	60,800 PSI
	AR2206H	.308"	3.340"	57.0	2,991 fps	47,300 CUP	61.0	3,124 fps	52,500 CUP
	AR2208	.308"	3.340"	56.0	2,952 fps	43,300 CUP	60.0	3,108 fps	51,400 CUP
	AR2209	.308"	3.340"	68.0	3,052 fps	47,100 CUP	72.0	3,205 fps	52,500 CUP
	AR2213SC	.308"	3.340"	73.0	3,025 fps	45,700 CUP	78.0	3,207 fps	52,700 CUP
	AR2217	.308"	3.340"	80.0	3,004 fps	46,500 CUP	85.0C	3,255 fps	52,200 CUP

300 Winchester Magnum

Case: Winchester

Barrel length: 24"

Twist: 1:10"

Trim length: 2.610"

300 winchester wa	5			Primer	Winchester L	R			
					Start loa			Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
155 GR. SIE HPBT	Bench Mark 8208	.308"	3.340"	58.0	2,997 fps	55,000 PSI	61.5	3,117 fps	60,700 PSI
100 Ort. OIL I'II D'I	AR2206H	.308"	3.340"	55.0	2,919 fps	43,700 CUP	59.0	3,078 fps	52,200 CUP
	AR2208	.308"	3.340"	55.0	2,897 fps	42,400 CUP	59.7	3,090 fps	52,000 CUP
	AR2209	.308"	3.340"	69.0	3,013 fps	45,100 CUP	74.0	3,215 fps	52,400 CUP
	AR2213SC	.308"	3.340"	74.0	2,964 fps	43,600 CUP	79.0C	3,166 fps	51,500 CUP
	AR2217	.308"	3.340"	80.0	2,992 fps	41,300 CUP	85.0C	3,160 fps	47,400 CUP
165 GR. SPR SP	AR2206H	.308"	3.340"	55.0	2,839 fps	46,700 CUP	59.0	2,977 fps	52,500 CUP
100 012 01 11 01	AR2208	.308"	3.340"	54.0	2,799 fps	43,900 CUP	58.5	2,975 fps	52,900 CUP
	AR2209	.308"	3.340"	66.0	2,910 fps	46,900 CUP	70.0	3,042 fps	51,900 CUF
	AR2213SC	.308"	3.340"	72.0	2,934 fps	47,600 CUP	75.5	3,055 fps	52,200 CUP
	AR2217	.308"	3.340"	79.0	2,957 fps	44,600 CUP	84.0	3,117 fps	51,300 CUP
168 GR. HDY BTHP	AR2206H	.308"	3.340"	55.0	2,843 fps	47.800 CUP	59.0	2,977 fps	52,900 CUP
.,	AR2208	.308"	3.340"	54.0	2,795 fps	44,300 CUP	58.2	2,964 fps	52,900 CUP
	AR2209	.308"	3.340"	66.0	2,900 fps	45,500 CUP	70.0	3,034 fps	51,000 CUP
	AR2213SC	.308"	3.340"	72.0	2,876 fps	45,100 CUP	75.5	3,023 fps	51,400 CUP
	AR2217	.308"	3.340"	79.0	2,938 fps	44,900 CUP	84.0	3,110 fps	51,000 CUP
175 GR. SIE HPBT	AR2209	.308"	3.300"	66.0	2,832 fps	45,800 CUP	71.0	2,992 fps	52,700 CUP
	AR2213SC	.308"	3.300"	72.0	2,843 fps	46,600 CUP	76.5	3,006 fps	53,100 CUP
	AR2217	.308"	3.300"	77.0	2,820 fps	43,100 CUP	82.0C	3,008 fps	51,800 CUP
180 GR. NOS E-TIP	AR2209	.308"	3.340"	62.1	2,730 fps	52,300 PSI	66.8	2,916 fps	62,600 PSI
	AR2213SC	.308"	3.340"	66.8	2,770 fps	53,300 PSI	71.8C	2,938 fps	61,900 PSI
	AR2217	.308"	3.340"	74.6	2,821 fps	53,300 PSI	79.4C	2,984 fps	62,400 PSI
180 GR. SPR MT-SP	AR2209	.308"	3.285"	63.0	2,787 fps	46,400 CUP	67.0	2,918 fps	53,100 CUP
100 014 01 11 01	AR2213SC	.308"	3.285"	69.0	2,851 fps	48,500 CUP	73.0C	2,966 fps	53,200 CUP
	AR2217	.308"	3.285"	76.0	2,883 fps	46,800 CUP	81.0C	3,042 fps	52,900 CUP
190 GR. HDY BTSP	AR2209	.308"	3.340"	63.0	2,735 fps	46,600 CUP	67.0	2,863 fps	53,400 CUP
	AR2213SC	.308"	3.340"	69.0	2,795 fps	48,400 CUP	73.0C	2,923 fps	53,600 CUP
	AR2217	.308"	3.340"	76.0	2,822 fps	44,900 CUP	81.0C	2,990 fps	52,800 CUP
200 GR. NOS AB	AR2209	.308"	3.340"	60.0	2,576 fps	44,400 CUP	64.4	2,723 fps	51,600 CUP
200 014110072	AR2213SC	.308"	3.340"	67.0	2,686 fps	49,500 CUP	71.5C	2,785 fps	52,800 CUP
	AR2217	.308"	3.340"	72.0	2,662 fps	44,500 CUP	77.0C	2,826 fps	52,600 CUP
	AR2225	.308"	3.340"	73.0	2,703 fps	44,600 CUP	78.0C	2,872 fps	52,100 CUP
200 GR. NOS PART	AR2209	.308"	3.340"	63.0	2,646 fps	47,800 CUP	66.0	2,753 fps	51,700 CUP
	AR2213SC	.308"	3.340"	67.0	2,686 fps	47,000 CUP	72.0C	2,825 fps	53,100 CUP
	AR2217	.308"	3.340"	74.0	2,725 fps	45,500 CUP	79.0C	2,883 fps	52,800 CUP
	AR2225	.308"	3.340"	79.0	2,798 fps	45,700 CUP	84.0C	2,962 fps	52,300 CUP
208 GR. HDY A-MAX	AR2209	.308"	3.420"	60.4	2,655 fps	53,600 PSI	65.7	2,813 fps	62,000 PSI
	AR2213SC	.308"	3.420"	66.5	2,671 fps	53,200 PSI	72.3	2,838 fps	62,000 PSI
	AR2217	.308"	3.420"	71.7	2,650 fps	47,800 PSI	78.0C	2,869 fps	60,200 PSI
	AR2225	.308"	3.420"	74.5	2,717 fps	50,300 PSI	81.0C	2,915 fps	61,300 PSI
220 GR. SIE RN	AR2209	.308"	3.340"	61.0	2,501 fps	46,100 CUP	65.0	2,622 fps	52,300 CUP
	AR2213SC	.308"	3.340"	66.0	2,533 fps	44,900 CUP	71.0	2,685 fps	53,100 CUP
	AR2217	.308"	3.340"	73.0	2,588 fps	44,500 CUP	78.0	2,750 fps	52,000 CUP
	AR2225	.308"	3.340"	76.0	2,646 fps	44,400 CUP	81.0C	2,810 fps	52,400 CUP
230 GR. BER TACT	AR2213SC	.308"	3.395"	64.1	2,527 fps	50,800 PSI	70.3	2,710 fps	61,200 PSI

				T							
					/inchester			ength: 24"			
300 Winchester Mag	gnum			Twist: 1	:10"		Trim len	gth: 2.610"			
				Primer:	Winchester L	R					
					Start loa	ds		Maximum I	oads		
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure		
	AR2217	.308"	3.395"	69.1	2,471 fps	44,200 PSI	76.0C	2,721 fps	58,200 PSI		
	AR2225	.308"	3.395"	71.6	2,520 fps	44,700 PSI	77.0C	2,714 fps	55,200 PSI		
				Caso. B	temington		Rarrel le	ength: 24"			
200 14/2 office where 14/2				Twist: 1	•			gth: 2.810"			
300 Weatherby Mag	ynum .					4		941. 2.010			
				Primer:	Federal 215M		1	Maximum loada			
			ı		Start loa	1		Maximum I	ı		
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure		
125 GR. SIE SP	AR2208	.308"	3.475"	65.0	3,386 fps	49,500 CUP	69.0	3,492 fps	53,700 CUP		
	AR2209	.308"	3.475"	77.0	3,347 fps	46,300 CUP	82.5	3,547 fps	53,200 CUP		
	AR2213SC	.308"	3.475"	84.0	3,322 fps	46,000 CUP	90.0C	3,527 fps	53,100 CUP		
130 GR. BAR XLC BT	AR2209	.308"	3.500"	78.0	3,287 fps	46,300 CUP	83.0	3,485 fps	52,800 CUP		
	AR2213SC	.308"	3.500"	84.0	3,306 fps	46,200 CUP	89.5C	3,467 fps	53,000 CUP		
150 GR. BAR TSX	Trail Boss	.308"	3.580"	19.0	1,334 fps	20,300 CUP	27.5	1,656 fps	28,900 CUP		
	AR2206H	.308"	3.570"	57.0	2,926 fps	42,200 CUP	61.5	3,112 fps	54,100 CUP		
	AR2208	.308"	3.570"	59.0	2,935 fps	42,200 CUP	64.5	3,155 fps	54,000 CUP		
	AR2209	.308"	3.570"	70.0	3,084 fps	44,700 CUP	76.5	3,310 fps	53,800 CUP		
	AR2213SC	.308"	3.570"	77.0	3,031 fps	45,200 CUP	84.0C	3,275 fps	52,900 CUP		
	AR2217	.308"	3.570"	83.0	3,056 fps	43,500 CUP	88.0C	3,220 fps	49,900 CUP		
165 GR. NOS BT	AR2206H	.308"	3.560"	58.0	2,871 fps	48,000 CUP	62.5	3,028 fps	54,200 CUP		
	AR2208	.308"	3.560"	58.0	2,873 fps	46,300 CUP	62.0	3,033 fps	54,200 CUP		
	AR2209	.308"	3.560"	69.0	2,908 fps	45,400 CUP	74.0	3,074 fps	54,100 CUP		
	AR2213SC	.308"	3.560"	75.0	2,934 fps	46,400 CUP	80.2	3,113 fps	54,000 CUP		
	AR2217	.308"	3.560"	84.0	3,014 fps	45,600 CUP	89.7C	3,216 fps	54,200 CUP		
168 GR. NOS E-TIP	AR2206H	.308"	3.590"	55.0	2,773 fps	47,000 CUP	60.0	2,968 fps	54,500 CUP		
	AR2208	.308"	3.590"	59.0	2,854 fps	48,000 CUP	63.5	2,999 fps	53,800 CUP		
	AR2209	.308"	3.590"	66.0	2,898 fps	46,900 CUP	72.5	3,099 fps	53,800 CUP		
	AR2213SC	.308"	3.590"	74.0	2,865 fps	43,700 CUP	81.0C	3,107 fps	54,200 CUP		
	AR2217	.308"	3.590"	82.0	2,959 fps	44,100 CUP	88.0C	3,197 fps	53,700 CUP		
180 GR. NOS E-TIP	AR2209	.308"	3.590"	64.0	2,783 fps	47,100 CUP	70.0	2,968 fps	54,100 CUP		
	AR2213SC	.308"	3.590"	71.0	2,772 fps	46,700 CUP	78.0	2,977 fps	53,300 CUP		
	AR2217	.308"	3.590"	79.0	2,861 fps	46,300 CUP	85.0C	3,054 fps	53,900 CUP		
180 GR. SPR BTSP	AR2209	.308"	3.560"	69.0	2,876 fps	44,600 CUP	73.5	3,022 fps	54,000 CUP		
	AR2213SC	.308"	3.560"	76.0	2,910 fps	45,300 CUP	81.5	3,096 fps	54,000 CUP		
	AR2217	.308"	3.560"	83.0	2,971 fps	43,800 CUP	88.5C	3,151 fps	53,500 CUP		
180 GR. WIN FS	AR2209	.308"	3.560"	67.0	2,813 fps	46,500 CUP	72.0	2,974 fps	54,600 CUP		
	AR2213SC	.308"	3.560"	74.0	2,892 fps	50,200 CUP	79.0	3,013 fps	54,600 CUP		
	AR2217	.308"	3.560"	78.0	2,921 fps	47,800 CUP	83.0C	3,111 fps	54,600 CUP		
200 GR. NOS AB	AR2213SC	.308"	3.590"	70.0	2,702 fps	49,300 CUP	75.0	2,839 fps	54,400 CUP		
	AR2217	.308"	3.590"	77.0	2,709 fps	45,800 CUP	83.0C	2,884 fps	53,700 CUP		
	AR2225	.308"	3.590"	79.0	2,753 fps	45,800 CUP	84.5C	2,942 fps	53,100 CUP		
200 GR. SFT	AR2209	.308"	3.510"	66.0	2,706 fps	45,800 CUP	71.0	2,866 fps	54,300 CUP		
	AR2213SC	.308"	3.510"	72.0	2,708 fps	44,700 CUP	77.5	2,869 fps	52,900 CUP		
	AR2217	.308"	3.510"	79.0	2,766 fps	43,200 CUP	85.0C	2,963 fps	53,400 CUP		
	AR2225	.308"	3.510"	80.0	2,764 fps	46,100 CUP	85.5C	2,981 fps	54,400 CUP		
220 GR. HDY RN	AR2209	.308"	3.565"	66.0	2,599 fps	45,900 CUP	70.0	2,725 fps	53,800 CUP		

				Case: D	Remington		Barrollo	ngth: 24"	
200 Months and a 84 a				Twist: 1	-			gth: 2.810"	
300 Weatherby Mag	num						THILLIE I	gui. 2.010	
				Primer:	Federal 215M		1		
		1	T		Start loa	ds		Maximum I	I
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
	AR2213SC	.308"	3.565"	71.0	2,630 fps	47,200 CUP	75.7	2,766 fps	54,500 CUP
	AR2217	.308"	3.565"	77.0	2,670 fps	45,100 CUP	82.5	2,833 fps	53,400 CUP
	AR2225	.308"	3.565"	79.0	2,679 fps	45,900 CUP	84.0C	2,853 fps	54,000 CUP
				Case: R	temington		Barrel le	ngth: 24"	
300 Remington Ultra	a Mag			Twist: 1	:10"		Trim len	gth: 2.840"	
ooo i toiliii gtoil olat	9			Primer:	Remington 9	1/2M			
					Start load			Maximum I	nade
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
130 GR. BAR XLC BT	AR2209	.308"	3.550"	87.0	3,436 fps	54,000 PSI	93.0	3,638 fps	63,000 PSI
	AR2213SC	.308"	3.550"	93.0	3,330 fps	51,200 PSI	99.5	3,579 fps	62,800 PSI
	AR2217	.308"	3.550"	100.0	3,349 fps	50.900 PSI	107.0C	3,615 fps	63,500 PSI
140 GR. BAR XBT	AR2213SC	.308"	3.555"	87.0	3,258 fps	55,100 PSI	93.0	3,447 fps	63,600 PSI
	AR2217	.308"	3.555"	95.0	3,326 fps	56,900 PSI	101.0	3,470 fps	63,100 PSI
	AR2225	.308"	3.555"	97.0	3,282 fps	52,100 PSI	103.5C	3,493 fps	61,400 PSI
150 GR. SIE SPBT	AR2213SC	.308"	3.530"	90.0	3,243 fps	55,100 PSI	94.0	3,408 fps	62,900 PSI
	AR2217	.308"	3.530"	98.0	3,258 fps	53,100 PSI	102.0	3,457 fps	62,900 PSI
	AR2225	.308"	3.530"	100.0	3,343 fps	52,600 PSI	106.0C	3,531 fps	60,800 PSI
165 GR. SFT SP	AR2213SC	.308"	3.530"	85.0	3,057 fps	52,300 PSI	90.0	3,255 fps	62,100 PSI
	AR2217	.308"	3.530"	94.0	3,135 fps	53,300 PSI	98.0	3,321 fps	62,500 PSI
	AR2225	.308"	3.530"	97.0	3,241 fps	54,200 PSI	103.0C	3,414 fps	62,300 PSI
180 GR. BAR TTSX BT	AR2213SC	.308"	3.600"	72.8	2,837 fps	49,700 PSI	77.5	3,010 fps	59,100 PSI
	AR2217	.308"	3.600"	74.5	2,891 fps	55,000 PSI	81.0	3,067 fps	63,500 PSI
	AR2225	.308"	3.600"	80.1	3,012 fps	56,700 PSI	87.0	3,130 fps	61,400 PSI
	AR2218	.308"	3.600"	82.4	2,836 fps	51,700 PSI	89.6	3,031 fps	61,900 PSI
180 GR. SPR SPBT	AR2213SC	.308"	3.530"	84.0	2,997 fps	54,000 PSI	89.0	3,167 fps	62,500 PSI
	AR2217	.308"	3.530"	91.0	3,018 fps	52,300 PSI	96.0	3,218 fps	62,800 PSI
	AR2225	.308"	3.530"	94.0	3,182 fps	58,400 PSI	100.5C	3,300 fps	62,400 PSI
	AR2218	.308"	3.530"	103.0	3,005 fps	53,700 PSI	108.0C	3,159 fps	62,100 PSI
190 GR. HDY SPBT	AR2213SC	.308"	3.555"	80.0	2,892 fps	53,000 PSI	85.0	3,069 fps	62,500 PSI
	AR2217	.308"	3.555"	88.0	2,971 fps	54,900 PSI	93.0	3,130 fps	63,500 PSI
	AR2225	.308"	3.555"	90.0	3,069 fps	56,500 PSI	96.0	3,204 fps	62,500 PSI
	AR2218	.308"	3.555"	100.0	2,938 fps	54,900 PSI	105.0C	3,085 fps	63,000 PSI
200 GR. BAR XFB	AR2217	.308"	3.555"	80.0	2,767 fps	57,400 PSI	83.0	2,850 fps	62,800 PSI
	AR2225	.308"	3.555"	81.0	2,852 fps	56,200 PSI	86.0	2,988 fps	62,800 PSI
	AR2218	.308"	3.555"	92.0	2,767 fps	56,100 PSI	98.0C	2,910 fps	63,100 PSI
200 GR. NOS AB	AR2213SC	.308"	3.600"	79.0	2,787 fps	54,700 PSI	85.0	2,953 fps	63,600 PSI
	AR2217	.308"	3.600"	87.0	2,839 fps	56,000 PSI	92.5	2,975 fps	62,800 PSI
	AR2225	.308"	3.600"	89.0	2,904 fps	56,400 PSI	95.5C	3,048 fps	62,400 PSI
	AR2218	.308"	3.600"	96.0	2,762 fps	49,700 PSI	102.0C	2,950 fps	58,900 PSI
220 GR. NOS PART	AR2217	.308"	3.530"	83.0	2,704 fps	54,500 PSI	89.0	2,863 fps	63,500 PSI
	AR2225	.308"	3.530"	84.0	2,800 fps	56,600 PSI	89.0	2,905 fps	61,900 PSI
	AR2218	.308"	3.530"	95.0	2,699 fps	54,000 PSI	100.5C	2,850 fps	62,500 PSI

				Case: V	Veatherby		Barrel le	ength: 26"	
30-378 Weatherby				Twist: 1	:10"		Trim len	gth: 2.903"	
				Primer:	Federal 215M	1			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
150 GR. SIE SPBT	AR2213SC	.308"	3.600"	100.0	3,449 fps	49,100 CUP	104.0	3,555 fps	53,900 CUP
	AR2217	.308"	3.600"	110.0	3,464 fps	46,000 CUP	114.0	3,598 fps	52,400 CUP
	AR2225	.308"	3.600"	113.0	3,490 fps	44,900 CUP	119.0C	3,690 fps	52,400 CUP
165 GR. SFT SP	AR2213SC	.308"	3.600"	95.0	3,202 fps	46,600 CUP	100.5	3,391 fps	53,800 CUP
	AR2217	.308"	3.600"	106.0	3,285 fps	45,500 CUP	112.0	3,495 fps	55,000 CUP
	AR2225	.308"	3.600"	109.0	3,305 fps	42,800 CUP	116.0C	3,559 fps	53,400 CUP
168 GR. NOS E-TIP	AR2213SC	.308"	3.740"	93.0	3,152 fps	46,400 CUP	101.0	3,341 fps	52,400 CUP
	AR2217	.308"	3.740"	97.5	3,094 fps	43,800 CUP	106.0	3,341 fps	53,400 CUP
	AR2225	.308"	3.740"	98.0	3,127 fps	43,500 CUP	109.0C	3,444 fps	51,600 CUP
180 GR. NOS E-TIP	AR2213SC	.308"	3.740"	92.1	3,092 fps	46,700 CUP	98.0	3,222 fps	52,600 CUP
	AR2217	.308"	3.740"	95.7	3,033 fps	45,100 CUP	104.0	3,282 fps	52,600 CUP
	AR2225	.308"	3.740"	96.5	3,087 fps	46,000 CUP	106.0C	3,336 fps	53,900 CUP
	AR2218	.308"	3.740"	105.3	2,958 fps	41,700 CUP	117.0	3,237 fps	50,400 CUP
180 GR. SPR SPBT	AR2213SC	.308"	3.600"	94.0	3,134 fps	46,600 CUP	100.0	3,301 fps	54,500 CUP
100 014 01 101 21	AR2217	.308"	3.600"	105.0	3,213 fps	45,200 CUP	111.0	3,412 fps	54,300 CUP
	AR2225	.308"	3.600"	107.0	3,228 fps	43,200 CUP	113.0C	3,460 fps	54,700 CUP
	AR2218	.308"	3.600"	116.0	3,089 fps	40,400 CUP	120.0C	3,229 fps	47,100 CUP
190 GR. HDY SPBT	AR2217	.308"	3.625"	102.0	3,154 fps	46,500 CUP	108.0	3,316 fps	54,800 CUP
130 GICTIDI GI DI	AR2225	.308"	3.625"	105.0	3,154 fps	43,600 CUP	111.5C	3,374 fps	54,500 CUP
	AR2218	.308"	3.625"	115.0	3,113 fps	45,700 CUP	120.0C	3,243 fps	50,900 CUP
200 GR. NOS AB	AR2217	.308"	3.650"	95.0	2,966 fps	46,100 CUP	101.5	3,130 fps	53,800 CUP
200 GIL 1100 AD	AR2225	.308"	3.650"	98.0	2,992 fps	44,900 CUP	105.0C	3,209 fps	52,600 CUP
	AR2218	.308"	3.650"	106.0	2,958 fps	43,700 CUP	113.0C	3,142 fps	49,600 CUP
200 GR. BAR XFB	AR2218	.308"	3.645"	111.0	3,134 fps	52,300 CUP	117.0C	3,142 lps 3,227 fps	54,800 CUP
220 GR. NOS PART	AR2217	.308"	3.600"	99.0	2,965 fps	47,800 CUP	104.0	3,084 fps	53,700 CUP
220 GR. 1100 1 ART	AR2225	.308"	3.600"	101.0	2,954 fps	44,700 CUP	107.5	3,155 fps	55,000 CUP
	AR2218	.308"	3.600"	115.0	3,047 fps	48,300 CUP	118.5C	3,145 fps	53,700 CUP
	ANZZ 10	.500	3.000	115.0	3,047 lps	40,300 COP	110.50	3, 143 lps	33,700 COP
				Case: N	1idway		Barrel le	ength: 24"	
7.62 x 39mm Russia	n			Twist: 1	:9.45"		Trim len	gth: 1.518"	
				Primer:	CCI 200				
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
108 GR. BAR RRLP FB	AR2207	.310"	2.210"	23.3	2,155 fps	38,300 CUP	25.0	2,310 fps	42,300 CUP
	AR2219	.310"	2.210"	25.7	1,974 fps	34,500 CUP	28.5C	2,199 fps	41,200 CUP
	Bench Mark 2	.310"	2.210"	25.0	1,826 fps	32,200 CUP	28.5C	2,118 fps	38,700 CUP
125 GR. SPR SP	AR2207	.311"	2.150"	24.5	2,190 fps	34,200 CUP	26.5	2,378 fps	40,400 CUP
	AR2219	.311"	2.150"	28.0	2,210 fps	32,900 CUP	29.0	2,323 fps	35,400 CUP
	AR2206H	.311"	2.150"	28.0	2,171 fps	29,900 CUP	29.0	2,249 fps	33,600 CUP
150 GR. HDY SP	AR2207	.312"	2.220"	22.5	1,947 fps	33,600 CUP	24.5	2,122 fps	39,800 CUP
-	AR2219	.312"	2.220"	27.0	2,084 fps	34,200 CUP	28.5	2,192 fps	40,400 CUP
	AR2206H	.312"	2.220"	27.0	2,080 fps	33,600 CUP	28.0	2,154 fps	39,300 CUP
					_,500 ipo	1 22,300 00.	_0.0	_,	1 55,555 55.

310 Cadet (Martin	i Action)			Case: Twist: - Primer:			Barrel le	ength: 22" gth: -	
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
110 GR. LEAD	AR2205	-	-	-	-	-	11.0	1,500 fps	-
120 GR.	AR2205	-	-	-	-	-	9.0	1,270 fps	-
32-20 Winchester	(32-20 WCF)			Case: Twist: - Primer:			Barrel le	ength: 24" gth: -	
	I		ı		Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
80 GR.	AR2205	-	-	-	-	-	16.0	2,150 fps	-
100 GR.	AR2205	-	-	-	-	-	14.0	1,950 fps	-
115 GR. LEAD	AP70N	-	-	-	-	-	4.0	1,260 fps	-
115 GR.	AR2205	-	-	-	-	-	13.0	1,800 fps	-
125 GR LEAD	AP70N	-	-	-	-	-	3.7	1,225 fps	-
7.7 x 58mm Japar	nese			Case: N Twist: 1 Primer:		1/2		ength: 26" egth: 2.260"	
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
150 GR. SIE SP	AR2206H	.311"	3.050"	41.0	2,337 fps	-	44.0	2,529 fps	-
	AR2209	.311"	3.050"	48.0	2,330 fps	-	51.0	2,514 fps	-
	AR2213SC	.311"	3.050"	50.0	2,180 fps	-	55.0	2,445 fps	-
180 GR. SIE SP	AR2206H	.311"	3.150"	37.0	2,060 fps	-	40.0	2,230 fps	-
	AR2209	.311"	3.150"	44.0	2,090 fps	-	47.0	2,309 fps	-
	AR2213SC	.311"	3.150"	46.0	2,011 fps	-	50.0	2,233 fps	-
303 British				Twist: 1	Federal 210			ength: 24" egth: 2.212"	
-	1	T =			Start loa	1		Maximum I	1
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
125 GR. SPR SP	Bench Mark 8208	.311"	2.915"	39.0	2,708 fps	38,400 CUP	43.0	2,886 fps	43,100 CUP
				l,	•		40.00		
125 GR.	AR2206	-	-	42.0	2,635 fps	-	46.0C	2,880 fps	40 700 01 15
125 GR. 125 GR. SPR SP	AR2206 AR2206H	.311"	2.915"	42.0 41.0	2,635 fps 2,791 fps	42,400 CUP	45.0	2,931 fps	43,700 CUP
125 GR. SPR SP	AR2206 AR2206H AR2208	- .311" .311"	2.915"	42.0 41.0 45.0	2,635 fps 2,791 fps 2,766 fps	39,200 CUP	45.0 48.0	2,931 fps 2,883 fps	42,100 CUP
125 GR. SPR SP 150 GR. HDY SP	AR2206 AR2206H AR2208 Bench Mark 8208	.311" .311" .312"	2.915" 2.995"	42.0 41.0 45.0 34.0	2,635 fps 2,791 fps 2,766 fps 2,392 fps		45.0 48.0 36.7	2,931 fps 2,883 fps 2,515 fps	42,100 CUP 41,300 CUP
125 GR. SPR SP 150 GR. HDY SP 150 GR.	AR2206 AR2206H AR2208 Bench Mark 8208 AR2206	- .311" .311" .312"	2.915" 2.995" -	42.0 41.0 45.0 34.0 36.0	2,635 fps 2,791 fps 2,766 fps 2,392 fps 2,440 fps	39,200 CUP 37,700 CUP	45.0 48.0 36.7 39.5	2,931 fps 2,883 fps 2,515 fps 2,620 fps	42,100 CUP 41,300 CUP
125 GR. SPR SP 150 GR. HDY SP	AR2206 AR2206H AR2208 Bench Mark 8208 AR2206 AR2206H	- .311" .311" .312" - .312"	2.915" 2.995" - 2.995"	42.0 41.0 45.0 34.0 36.0 36.0	2,635 fps 2,791 fps 2,766 fps 2,392 fps 2,440 fps 2,447 fps	39,200 CUP 37,700 CUP - 40,300 CUP	45.0 48.0 36.7 39.5 40.0	2,931 fps 2,883 fps 2,515 fps 2,620 fps 2,627 fps	42,100 CUP 41,300 CUP - 43,600 CUP
125 GR. SPR SP 150 GR. HDY SP 150 GR. 150 GR. HDY SP	AR2206 AR2206H AR2208 Bench Mark 8208 AR2206 AR2206H AR2208	- .311" .311" .312" - .312"	2.915" 2.995" -	42.0 41.0 45.0 34.0 36.0 36.0 39.0	2,635 fps 2,791 fps 2,766 fps 2,392 fps 2,440 fps 2,447 fps 2,458 fps	39,200 CUP 37,700 CUP	45.0 48.0 36.7 39.5 40.0 43.0	2,931 fps 2,883 fps 2,515 fps 2,620 fps 2,627 fps 2,656 fps	42,100 CUP 41,300 CUP
125 GR. SPR SP 150 GR. HDY SP 150 GR. 150 GR. HDY SP 174 GR.	AR2206 AR2206H AR2208 Bench Mark 8208 AR2206 AR2206H AR2208 AR2208	- .311" .311" .312" - .312" .312"	2.915" 2.995" - 2.995" 2.995"	42.0 41.0 45.0 34.0 36.0 36.0 39.0 34.0	2,635 fps 2,791 fps 2,766 fps 2,392 fps 2,440 fps 2,447 fps 2,458 fps 2,245 fps	39,200 CUP 37,700 CUP - 40,300 CUP 39,600 CUP	45.0 48.0 36.7 39.5 40.0 43.0 37.5	2,931 fps 2,883 fps 2,515 fps 2,620 fps 2,627 fps 2,656 fps 2,515 fps	42,100 CUP 41,300 CUP - 43,600 CUP 42,700 CUP
125 GR. SPR SP 150 GR. HDY SP 150 GR. 150 GR. HDY SP	AR2206 AR2206H AR2208 Bench Mark 8208 AR2206 AR2206H AR2208 AR2206 AR2206 AR2206 AR2206	311" .311" .312"312"312"311"	2.915" 2.995" - 2.995" 2.995" - 3.075"	42.0 41.0 45.0 34.0 36.0 36.0 39.0 34.0	2,635 fps 2,791 fps 2,766 fps 2,392 fps 2,440 fps 2,447 fps 2,458 fps 2,245 fps 2,262 fps	39,200 CUP 37,700 CUP - 40,300 CUP 39,600 CUP - 38,800 CUP	45.0 48.0 36.7 39.5 40.0 43.0 37.5 38.0	2,931 fps 2,883 fps 2,515 fps 2,620 fps 2,627 fps 2,656 fps 2,515 fps 2,446 fps	42,100 CUP 41,300 CUP - 43,600 CUP 42,700 CUP - 43,600 CUP
125 GR. SPR SP 150 GR. HDY SP 150 GR. 150 GR. HDY SP 174 GR.	AR2206 AR2206H AR2208 Bench Mark 8208 AR2206 AR2206H AR2208 AR2206 AR2208 AR2206 AR2206 AR2206 AR2206	311" .311" .312"312"312"311" .311"	2.915" 2.995" - 2.995" 2.995" - 3.075"	42.0 41.0 45.0 34.0 36.0 36.0 39.0 34.0 34.0 38.0	2,635 fps 2,791 fps 2,766 fps 2,392 fps 2,440 fps 2,447 fps 2,458 fps 2,245 fps 2,262 fps 2,345 fps	39,200 CUP 37,700 CUP - 40,300 CUP 39,600 CUP - 38,800 CUP 38,800 CUP	45.0 48.0 36.7 39.5 40.0 43.0 37.5 38.0 42.0	2,931 fps 2,883 fps 2,515 fps 2,620 fps 2,627 fps 2,656 fps 2,515 fps 2,446 fps 2,509 fps	42,100 CUP 41,300 CUP - 43,600 CUP 42,700 CUP - 43,600 CUP 43,800 CUP
125 GR. SPR SP 150 GR. HDY SP 150 GR. 150 GR. HDY SP 174 GR. 174 GR. SIE HPBT	AR2206 AR2206H AR2208 Bench Mark 8208 AR2206 AR2206H AR2208 AR2206 AR2206 AR2206 AR2206 AR2206 AR2206 AR2206 AR2209	311" .311" .312"312"312"311" .311"	2.915" 2.995" - 2.995" 2.995" - 3.075" 3.075"	42.0 41.0 45.0 34.0 36.0 36.0 39.0 34.0 34.0 38.0 43.0	2,635 fps 2,791 fps 2,766 fps 2,392 fps 2,440 fps 2,447 fps 2,445 fps 2,245 fps 2,262 fps 2,345 fps 2,266 fps	39,200 CUP 37,700 CUP - 40,300 CUP 39,600 CUP - 38,800 CUP 38,800 CUP 35,400 CUP	45.0 48.0 36.7 39.5 40.0 43.0 37.5 38.0 42.0	2,931 fps 2,883 fps 2,515 fps 2,620 fps 2,627 fps 2,656 fps 2,515 fps 2,446 fps 2,509 fps 2,517 fps	42,100 CUP 41,300 CUP - 43,600 CUP 42,700 CUP - 43,600 CUP 43,800 CUP 41,900 CUP
125 GR. SPR SP 150 GR. HDY SP 150 GR. 150 GR. HDY SP 174 GR.	AR2206 AR2206H AR2208 Bench Mark 8208 AR2206 AR2206H AR2208 AR2206 AR2208 AR2206 AR2206 AR2206 AR2206	311" .311" .312"312"312"311" .311"	2.915" 2.995" - 2.995" 2.995" - 3.075"	42.0 41.0 45.0 34.0 36.0 36.0 39.0 34.0 34.0 38.0	2,635 fps 2,791 fps 2,766 fps 2,392 fps 2,440 fps 2,447 fps 2,458 fps 2,245 fps 2,262 fps 2,345 fps	39,200 CUP 37,700 CUP - 40,300 CUP 39,600 CUP - 38,800 CUP 38,800 CUP	45.0 48.0 36.7 39.5 40.0 43.0 37.5 38.0 42.0	2,931 fps 2,883 fps 2,515 fps 2,620 fps 2,627 fps 2,656 fps 2,515 fps 2,446 fps 2,509 fps	42,100 CUP 41,300 CUP - 43,600 CUP 42,700 CUP - 43,600 CUP 43,800 CUP

303 British				Twist: 1	Remington :10" Federal 210			ength: 24" agth: 2.212"	
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
	AR2208	.311"	3.075"	37.0	2,282 fps	38,200 CUP	41.0	2,440 fps	43,400 CUP
	AR2209	.311"	3.075"	44.0	2,295 fps	35,700 CUP	48.0C	2,500 fps	43,800 CUP
215 GR.	AR2206	-	-	35.0	2,080 fps	-	39.0	2,250 fps	-
				Case: N	loma		Barrel le	ength: 29"	
7.65 x 53mm Maus	ser			Twist: 1	:9.8"			igth: 2.080"	
7.00 X COMMITTING				Primer:	Federal 210			•	
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
150 GR.	AR2206	-	-	38.0	2,285 fps	-	42.0	2,565 fps	-
150 GR. HDY SP	AR2206H	.312"	2.815"	39.5	2,341 fps	-	43.0	2,597 fps	-
	AR2209	.312"	2.815"	45.0	2,347 fps	-	49.0	2,614 fps	-
174 GR.	AR2206	-	-	36.0	2,055 fps	-	38.5	2,325 fps	-
174 GR. HDY RN	AR2206H	.312"	2.850"	37.0	2,072 fps	-	40.0	2,351 fps	-
	AR2209	.312"	2.850"	43.0	2,266 fps	-	47.0	2,454 fps	-
	AR2213SC	.312"	2.850"	-	-	-	53.0	2,456 fps	-
				Case: V	Vinchester		Barrel le	ength: 20"	
32 Winchester Sp	ecial			Twist: 1	:16"		Trim len	gth: 2.030"	
oz mienoster op	oolai			Primer:	CCI 200				
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
170 GR. HDY JFP	AR2219	.321"	2.565"	30.0	2,111 fps	32,100 CUP	32.3	2,263 fps	36,800 CUP
	Bench Mark 2	.321"	2.565"	30.0	2,005 fps	29,900 CUP	32.5	2,175 fps	36,600 CUP
170 GR.	AR2206	-	-	31.0	1,965 fps	-	33.0	2,200 fps	-
170 GR. HDY JFP	AR2206H	.321"	2.565"	32.0	2,122 fps	30,800 CUP	34.5	2,283 fps	36,100 CUP
	AR2208	.321"	2.565"	34.0	2,096 fps	30,800 CUP	37.0C	2,271 fps	36,400 CUP
				Case: V	Vinchester		Barrel le	ength: 24"	
32-40 Winchester				Twist: 1	:16"			gth: 2.120"	
TINONOCCI				Primer:	Remington 2	1/2			
NOTE: See Single Action	on Rifle section for more loads	with lead bullets		1					
	and decide the third loads	THE FIGURE CONTROL			Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
170 GR.	AR2207	-	-	-	-	-	19.0	1,650 fps	-
	AR2206	-	_	_	_	_	26.0	1,825 fps	_
	7 II ULLOO						_5.0	1,020 100	

8 x 57mm Mauser

Case: Remington

Barrel length: 24"

Twist: 1:9.5"

Trim length: 2.230"

Primer: Remington 9 1/2

8 x 57mm Mauser				i wist.	.9.5		i rim ier	igur: 2.230	
				Primer:	Remington 9	1/2			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
125 GR. HDY SP	Bench Mark 2	.323"	2.880"	43.5	2,728 fps	36,400 CUP	49.8	3,068 fps	49,700 CUP
	Bench Mark 8208	.323"	2.880"	48.0	2,907 fps	41,500 CUP	52.2	3,139 fps	48,700 CUP
	AR2206H	.323"	2.880"	47.0	2,843 fps	37,300 CUP	53.5	3,208 fps	49,400 CUP
	AR2208	.323"	2.880"	47.0	2,730 fps	36,600 CUP	54.0	3,092 fps	48,100 CUP
150 GR. HDY SP	Bench Mark 2	.323"	2.950"	42.5	2,577 fps	36,900 CUP	47.5	2,860 fps	48,800 CUP
	Bench Mark 8208	.323"	2.950"	44.1	2,648 fps	40,600 CUP	48.0	2,861 fps	48,300 CUP
	AR2206H	.323"	2.950"	44.0	2,619 fps	37,200 CUP	51.0	2,987 fps	49,500 CUP
	AR2208	.323"	2.950"	45.5	2,561 fps	37,500 CUP	52.4C	2,896 fps	49,000 CUP
160 GR. BAR TTSX BT	Bench Mark 2	.323"	3.010"	43.1	2,558 fps	42,500 CUP	46.6	2,726 fps	49,300 CUP
	Bench Mark 8208	.323"	3.010"	42.0	2,486 fps	37,200 CUP	46.5C	2,758 fps	48,300 CUP
	AR2206H	.323"	3.010"	44.0	2,603 fps	39,200 CUP	48.5C	2,821 fps	47,700 CUP
	AR2208	.323"	3.010"	45.0	2,503 fps	36,100 CUP	49.0C	2,727 fps	43,600 CUP
170 GR. HDY RN	Bench Mark 2	.323"	2.825"	41.0	2,397 fps	37,100 CUP	46.6	2,679 fps	49,100 CUP
	Bench Mark 8208	.323"	2.825"	44.2	2,575 fps	41,400 CUP	47.0	2,696 fps	48,000 CUP
	AR2206H	.323"	2.825"	40.0	2,306 fps	37,400 CUP	49.0	2,769 fps	48,700 CUP
	AR2208	.323"	2.825"	43.0	2,362 fps	36,700 CUP	50.5	2,700 fps	48,700 CUP
175 GR. SIE SP	Bench Mark 2	.323"	3.100"	41.0	2,414 fps	37,100 CUP	46.2	2,657 fps	48,400 CUP
	Bench Mark 8208	.323"	3.100"	43.7	2,537 fps	41,400 CUP	46.5	2,667 fps	46,600 CUP
	AR2206H	.323"	3.100"	40.0	2,387 fps	36,800 CUP	49.4	2,762 fps	48,300 CUP
	AR2208	.323"	3.100"	43.0	2,418 fps	37,200 CUP	50.5	2,716 fps	48,500 CUP
180 GR. BAR TSX	Bench Mark 2	.323"	2.960"	34.0	2,104 fps	37,200 CUP	42.0	2,466 fps	48,800 CUP
	Bench Mark 8208	.323"	2.960"	41.8	2,459 fps	43,300 CUP	44.5	2,572 fps	48,300 CUP
	AR2206H	.323"	2.960"	39.0	2,259 fps	36,800 CUP	46.0C	2,565 fps	48,700 CUP
	AR2208	.323"	2.960"	41.0	2,256 fps	35,800 CUP	47.8C	2,570 fps	48,400 CUP
180 GR. NOS BT	Bench Mark 2	.323"	3.020"	39.0	2,304 fps	36,800 CUP	44.5	2,586 fps	48,900 CUP
	Bench Mark 8208	.323"	3.020"	43.0	2,479 fps	41,300 CUP	45.7	2,619 fps	47,900 CUP
	AR2206H	.323"	3.020"	41.0	2,387 fps	36,300 CUP	47.7	2,691 fps	49,300 CUP
	AR2208	.323"	3.020"	42.0	2,309 fps	36,600 CUP	48.8	2,641 fps	49,400 CUP
200 GR. SPR SP	Bench Mark 8208	.323"	2.970"	41.4	2,325 fps	39,900 CUP	44.0	2,459 fps	47,600 CUP
	AR2206H	.323"	2.970"	38.0	2,240 fps	36,800 CUP	45.4	2,539 fps	49,200 CUP
	AR2208	.323"	2.970"	40.5	2,183 fps	36,900 CUP	47.5	2,511 fps	49,100 CUP
	AR2209	.323"	2.970"	49.0	2,276 fps	35,900 CUP	54.0C	2,522 fps	44,800 CUP
220 GR. HDY SP	Bench Mark 8208	.323"	2.970"	41.5	2,249 fps	40,000 CUP	44.1	2,348 fps	47,500 CUP
	AR2206H	.323"	2.970"	40.0	2,178 fps	37,200 CUP	45.2	2,420 fps	48,800 CUP
	AR2208	.323"	2.970"	39.0	2,055 fps	36,800 CUP	46.8	2,390 fps	48,800 CUP
			1		1		1	1	I .

				Case:			Barrel le	ength: 26"	
8 x 68mm Schuler	•			Twist: -			Trim len	•	
o x commissionale				Primer:				J.	
					Start loa	de		Maximum I	nads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
125 GR.	AR2209	-	-		-	-	73.0	3,300 fps	-
150 GR.	AR2209	-	_	_	_	-	70.0	3,100 fps	_
170 GR.	AR2209	_	_	_	_	-	68.0	2,950 fps	-
220 GR.	AR2209	-	-	-	-	-	62.0	2,650 fps	-
				Casa V	line le cotou		Downlin	months Odl	
00=147 1 4 0				Twist: 1	Vinchester			ength: 24" egth: 2.090"	
325 Winchester S	hort Magnum						i nim ien	igur: 2.090	
				Primer:	Winchester L	RM			
			T		Start loa	1		Maximum I	1
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
150 GR. HDY SP	Bench Mark 2	.323"	2.810"	57.0	3,074 fps	50,200 PSI	60.5	3,253 fps	62,400 PSI
	Bench Mark 8208	.323"	2.810"	56.1	3,059 fps	55,400 PSI	59.7	3,171 fps	61,000 PSI
	AR2206H	.323"	2.810"	60.0	3,156 fps	53,600 PSI	63.5	3,313 fps	63,300 PSI
	AR2208	.323"	2.810"	61.0	3,137 fps	54,200 PSI	65.0	3,305 fps	63,600 PSI
	AR2209	.323"	2.810"	69.0	3,138 fps	51,600 PSI	73.5C	3,345 fps	63,700 PSI
	AR2213SC	.323"	2.810"	71.0	2,945 fps	44,100 PSI	75.0C	3,115 fps	52,800 PSI
175 GR. SIE SP	Bench Mark 2	.323"	2.855"	51.0	2,743 fps	54,000 PSI	53.7	2,863 fps	62,700 PSI
	Bench Mark 8208	.323"	2.855"	52.6	2,793 fps	54,300 PSI	56.0	2,923 fps	62,800 PSI
	AR2206H	.323"	2.855"	57.5	2,858 fps	54,100 PSI	61.0	3,000 fps	62,900 PSI
	AR2208	.323"	2.855"	58.0	2,862 fps	55,400 PSI	61.0	2,975 fps	62,300 PSI
	AR2209	.323"	2.855"	64.5	2,835 fps	51,100 PSI	68.0C	3,024 fps	63,400 PSI
	AR2213SC	.323"	2.855"	70.0	2,819 fps	51,400 PSI	73.0C	2,960 fps	61,400 PSI
180 GR. NOS BT	Bench Mark 8208	.323"	2.840"	51.5	2,743 fps	54,900 PSI	54.8	2,855 fps	60,800 PSI
	AR2206H	.323"	2.840"	52.5	2,732 fps	55,100 PSI	54.6	2,820 fps	60,300 PSI
	AR2208	.323"	2.840"	55.0	2,770 fps	56,500 PSI	58.0	2,873 fps	62,700 PSI
	AR2209	.323"	2.840"	61.8	2,794 fps	52,500 PSI	65.5	2,957 fps	62,200 PSI
	AR2213SC	.323"	2.840"	62.0	2,776 fps	52,900 PSI	65.8C	2,930 fps	62,800 PSI
195 GR. HDY SP	Bench Mark 8208	.323"	2.855"	50.3	2,617 fps	55,900 PSI	53.5	2,728 fps	62,600 PSI
	AR2206H	.323"	2.855"	53.0	2,648 fps	55,000 PSI	56.0	2,763 fps	62,500 PSI
	AR2208	.323"	2.855"	54.0	2,661 fps	55,500 PSI	57.3	2,782 fps	62,800 PSI
	AR2209	.323"	2.855"	61.0	2,712 fps	54,400 PSI	64.5	2,837 fps	62,300 PSI
	AR2213SC	.323"	2.855"	66.3	2,704 fps	54,600 PSI	70.5C	2,835 fps	63,000 PSI
200 GR. BAR XLC	AR2206H	.323"	2.860"	54.0	2,662 fps	58,400 PSI	57.3	2,739 fps	62,200 PSI
	AR2208	.323"	2.860"	55.5	2,642 fps	55,100 PSI	59.0	2,762 fps	62,300 PSI
	AR2209	.323"	2.860"	63.0	2,689 fps	52,500 PSI	67.0	2,843 fps	62,900 PSI
220 GR. SFT SP	AR2206H	.323"	2.845"	49.5	2,438 fps	54,800 PSI	52.5	2,556 fps	63,100 PSI
	AR2208	.323"	2.845"	50.8	2,448 fps	55,800 PSI	54.0	2,569 fps	62,400 PSI
	AR2209	.323"	2.845"	58.3	2,518 fps	52,700 PSI	62.0	2,649 fps	62,400 PSI
	AR2213SC	.323"	2.845"	63.0	2,491 fps	52,200 PSI	67.0C	2,638 fps	61,300 PSI

			_	Case: R	Remington		Barrel le	ength: 24"	·
8mm Remington N	/lagnum			Twist: 1	:10"		Trim len	gth: 2.840"	
	-9			Primer:	Remington 9	1/2M			
					Start load	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
150 GR, SPR SP	AR2208	.323"	3.550"	71.0	3,253 fps	46,100 CUP	75.0	3,403 fps	52,600 CU
	AR2209	.323"	3.550"	79.0	3,242 fps	45.700 CUP	83.5	3,401 fps	52,500 CU
	AR2213SC	.323"	3.550"	88.0	3,268 fps	47,200 CUP	92.0C	3,378 fps	51,500 CU
175 GR. SIE SP	AR2209	.323"	3.600"	72.0	2,930 fps	45,300 CUP	77.0	3,141 fps	52,300 CU
	AR2213SC	.323"	3.600"	81.0	3,031 fps	47.300 CUP	86.5	3,162 fps	52,800 CU
180 GR. BAR TSX	AR2213SC	.323"	3.600"	73.0	2,858 fps	47,400 CUP	79.5	3,035 fps	52,000 CL
	AR2217	.323"	3.600"	81.0	2,912 fps	46,100 CUP	89.0C	3,099 fps	52,400 CL
200 GR. NOS PART	AR2209	.323"	3.600"	70.0	2,820 fps	47,300 CUP	74.0	2,950 fps	52,200 CL
	AR2213SC	.323"	3.600"	77.0	2,819 fps	47,400 CUP	81.5	2,944 fps	52,000 CL
	AR2217	.323"	3.600"	86.0	2,825 fps	45,300 CUP	89.0C	2,920 fps	48,100 CL
220 GR. HDY SP	AR2209	.323"	3.600"	70.0	2,690 fps	48,200 CUP	74.0	2,824 fps	52,100 CL
	AR2213SC	.323"	3.600"	76.0	2,685 fps	46,700 CUP	80.5	2,816 fps	52,100 CL
	AR2217	.323"	3.600"	85.0	2,726 fps	46,700 CUP	88.0C	2,817 fps	49,300 CL
				Case: H	lomady		Barrelle	ength: 24"	
338 Marlin Express				Twist: 1	•			ath: 1.910"	
330 Mariiri Express					Winchester LI	DM		9	
				rillier.			I		
DII-4	Dden	Daillet Diam	001	0	Start loa		0	Maximum I	1
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressur
200 GR. HDY FTX	Bench Mark 2	.338"	2.590"	36.0	2,198 fps	42,200 PSI	38.2	2,281 fps	44,800 P
	Bench Mark 8208	.338"	2.590"	37.8	2,228 fps	40,700 PSI	40.2	2,322 fps	44,000 P
	AR2206H	.338"	2.590"	35.7	2,170 fps	38,900 PSI	38.0	2,309 fps	45,400 P
	AR2208	.338"	2.590"	40.0	2,224 fps	41,600 PSI	42.5	2,326 fps	44,600 PS
				Case: F	ederal		Barrel le	ength: 24"	
338 Federal				Twist: 1	:10"		Trim len	gth: 2.005"	
				Primer:	Federal 210N	1			
					Start load	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
160 GR. BAR TTSX	AR2207	.338"	2.840"	40.2	2,756 fps	53,600 PSI	42.8	2,884 fps	61,500 PS
	AR2219	.338"	2.840"	44.6	2,761 fps	52,400 PSI	48.5C	2,937 fps	61,800 PS
	Bench Mark 2	.338"	2.840"	45.1	2,725 fps	47,900 PSI	49.0C	2,894 fps	56,200 PS
	Bench Mark 8208	.338"	2.840"	46.0	2,733 fps	46,500 PSI	50.0C	2,910 fps	54,700 P
180 GR. NOS AB	AR2219	.338"	2.810"	41.0	2,514 fps	46,000 PSI	45.5C	2,743 fps	59,700 PS
	Bench Mark 2	.338"	2.810"	42.0	2,532 fps	47,900 PSI	47.0C	2,768 fps	61,300 P
	Bench Mark 8208	.338"	2.810"	44.6	2,641 fps	49,600 PSI	48.5C	2,811 fps	59,900 P
	AR2206H	.338"	2.810"	43.0	2,486 fps	42,400 PSI	47.0C	2,682 fps	50,800 P
185 GR. BAR TSX	AR2219	.338"	2.800"	39.0	2,447 fps	49,400 PSI	43.3C	2,645 fps	59,700 P
100 GIV. BAV 10A	Bench Mark 2	.338"	2.800"	39.0	2,416 fps	48,000 PSI	44.0C	2,637 fps	60,100 P
100 GIL DAR TOX	Benoriviant		2.800"	44.2	2,601 fps	51,800 PSI	47.0C	2,721 fps	59,500 P
loo Gr. BAR Tox	Bench Mark 8208	.338"	2.000			4= 400 DOI	46 EC	0.000 5	58,200 P
iso die SAN IOA		.338"	2.800"	42.0	2,456 fps	45,400 PSI	46.5C	2,690 fps	30,2001
iso die SANTOX	Bench Mark 8208			42.0 42.0	2,456 fps 2,364 fps	45,400 PSI 43,000 PSI	47.0C	2,690 fps 2,607 fps	
	Bench Mark 8208 AR2206H	.338"	2.800"			·		•	54,700 P
200 GR. HDY SP	Bench Mark 8208 AR2206H AR2208	.338"	2.800" 2.800"	42.0	2,364 fps	43,000 PSI	47.0C	2,607 fps	54,700 PS 59,300 PS 59,700 PS
	Bench Mark 8208 AR2206H AR2208 AR2219	.338" .338" .338"	2.800" 2.800" 2.810"	42.0 40.0	2,364 fps 2,412 fps	43,000 PSI 49,500 PSI	47.0C 44.5	2,607 fps 2,596 fps	54,700 PS 59,300 PS

AR2208

AR2219

AR2206H

AR2208

AR2219

AR2206H

AR2208

AR2209

Bench Mark 2

Bench Mark 8208

Bench Mark 2

Bench Mark 8208

185 GR. BAR XBT

185 GR. BAR TSX

200 GR. HDY SP

.338"

.338"

.338"

.338"

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.338"

.338"

338"

.338"

.338"

3.250"

3.130"

3.130"

3.130"

3.130"

3.250"

3.310"

3.310"

3.310"

3.310"

3.310"

3.310"

54.0

47.0

47.0

49.0

52.0

47.0

47.0

48.0

49.0

50.0

52.0

58.0

 $2,782\,\mathrm{fps}$

2,669 fps

2,629 fps

2,671 fps

2,723 fps

2,596 fps

2,583 fps

2,569 fps

2,624 fps

2,628 fps

2,622 fps

2,593 fps

RIFLE DATA

				Case: F	ederal		Barrel le	ength: 24"	
338 Federal				Twist: 1	I:10"		Trim len	igth: 2.005"	
				Primer:	Federal 210M	1			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
	AR2208	.338"	2.810"	42.0	2,264 fps	40,400 PSI	47.0C	2,510 fps	52,100 PSI
210 GR. SFT SCIR	AR2219	.338"	2.820"	38.0	2,296 fps	45,900 PSI	42.3C	2,511 fps	59,200 PSI
	Bench Mark 2	.338"	2.820"	38.0	2,277 fps	45,900 PSI	43.0C	2,514 fps	60,800 PSI
	Bench Mark 8208	.338"	2.820"	40.7	2,402 fps	52,000 PSI	43.3C	2,508 fps	59,400 PSI
	AR2206H	.338"	2.820"	40.0	2,281 fps	41,600 PSI	45.0C	2,551 fps	58,100 PSI
	AR2208	.338"	2.820"	41.0	2,248 fps	42,000 PSI	46.0C	2,503 fps	56,500 PSI
215 GR. SIE SP	AR2219	.338"	2.810"	38.0	2,305 fps	50,400 PSI	43.0	2,504 fps	60,300 PSI
	Bench Mark 2	.338"	2.810"	39.0	2,286 fps	47,200 PSI	43.3	2,487 fps	60,000 PSI
	Bench Mark 8208	.338"	2.810"	41.9	2,396 fps	50,500 PSI	44.6	2,519 fps	59,400 PSI
	AR2206H	.338"	2.810"	41.0	2,297 fps	43,500 PSI	46.0C	2,539 fps	57,600 PSI
	AR2208	.338"	2.810"	41.0	2,216 fps	41,000 PSI	46.0C	2,452 fps	53,100 PSI
225 GR. SFT SP	AR2219	.338"	2.750"	37.0	2,204 fps	52,700 PSI	41.0	2,357 fps	60,000 PSI
	Bench Mark 2	.338"	2.750"	38.0	2,150 fps	46,600 PSI	42.8	2,365 fps	59,500 PSI
	Bench Mark 8208	.338"	2.750"	40.5	2,283 fps	52,400 PSI	43.1	2,394 fps	60,500 PSI
	AR2206H	.338"	2.750"	40.0	2,167 fps	42,900 PSI	45.3C	2,445 fps	60,000 PSI
	AR2208	.338"	2.750"	41.0	2,149 fps	43,100 PSI	46.0C	2,410 fps	57,900 PSI
				Case: V	Vinchester		Barrel le	ength: 24"	
338-06				Twist: 1	1:10"		Trim len	igth: 2.484"	
				Primer:	CCI 200			_	
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
160 GR. BAR X	AR2219	.338"	3.150"	50.0	2,870 fps	55,200 PSI	55.0	3,074 fps	62,800 PSI
	Bench Mark 2	.338"	3.150"	51.0	2,859 fps	50,300 PSI	56.8	3,103 fps	63,600 PSI
	AR2206H	.338"	3.150"	53.0	2,901 fps	50,600 PSI	58.0C	3,112 fps	62,200 PSI
	AR2208	.338"	3.150"	56.0	2,924 fps	51,200 PSI	60.0C	3,063 fps	57,900 PSI
175 GR. BAR X	AR2219	.338"	3.130"	48.0	2,717 fps	49,700 PSI	52.2	2,902 fps	62,000 PSI
	Bench Mark 2	.338"	3.130"	49.0	2,731 fps	51,700 PSI	53.7	2,921 fps	63,100 PSI
	AR2206H	.338"	3.130"	51.0	2,774 fps	51,200 PSI	56.0	2,981 fps	63,300 PSI
	AR2208	.338"	3.130"	55.0	2,841 fps	55,100 PSI	59.0C	2,982 fps	63,000 PSI
180 GR. NOS BT	AR2219	.338"	3.250"	49.0	2,738 fps	52,000 PSI	53.0	2,916 fps	63,000 PSI
	Bench Mark 2	.338"	3.250"	50.0	2,763 fps	53,700 PSI	54.2	2,925 fps	63,400 PSI
	Bench Mark 8208	.338"	3.250"	48.0	2,681 fps	50,000 PSI	53.3	2,897 fps	63,000 PSI
	AR2206H	.338"	3.250"	51.0	2,735 fps	49,600 PSI	55.0	2,933 fps	62,700 PSI
	'				,,	.,		,	,

58.5C

50.5

51.3

53.5

56.0

52.0

50.9

52.2

52.8

54.0

56.5

62.0C

2,961 fps

2,823 fps

2,826 fps

2,865 fps

2,867 fps

2,797 fps

2,724 fps

2,725 fps

2,751 fps

2,787 fps

2,807 fps

2,729 fps

62,000 PSI

62,400 PSI

62,700 PSI

62,900 PSI

62,300 PSI

62,000 PSI

61,900 PSI

61,000 PSI

62,000 PSI

63,300 PSI

63,100 PSI

54,300 PSI

51,000 PSI

52,900 PSI

50,400 PSI

51,000 PSI

54,000 PSI

50,800 PSI

53,600 PSI

52,400 PSI

55,200 PSI

52,900 PSI

51,500 PSI

47,800 PSI

Case: Winchester Barrel length: 24" 338-06 Twist: 1:10" Trim length: 2.484" Primer: CCI 200 Start loads Maximum loads **Bullet** Powder Bullet Diam. C.O.L. Grs. Velocity **Pressure** Grs. Velocity Pressure 210 GR. NOS PART 3 240" 54,300 PSI 61,500 PSI Bench Mark 8208 338' 45.0 2,457 fps 48.5 2,598 fps AR2206H 338' 3 240" 47.0 2,480 fps 49 900 PSI 51.7 2,685 fps 62,900 PSI AR2208 3 240" 50.0 2,545 fps 52.400 PSI 53.9 2,701 fps 62,400 PSI 338' AR2209 .338" 3.240" 58.0 2,598 fps 52,200 PSI 62.0C 2,753 fps 61,800 PSI 215 GR. SIE SBT Bench Mark 8208 .338' 3 240" 460 2,459 fps 52,500 PSI 50.5 2,641 fps 63,400 PSI AR2206H .338" 3.240" 48.0 2,503 fps 51.200 PSI 51.9 2,675 fps 62.600 PSI AR2208 .338' 3.240" 2,510 fps 50,200 PSI 2,700 fps 62,400 PSI 50.0 54.5 AR2209 .338" 3.240" 58.0 2,573 fps 50,600 PSI 62.0C 2,727 fps 59,900 PSI 225 GR. SPR SPBT Bench Mark 8208 44.0 52.700 PSI 62.500 PSI .338' 3.240" 2,362 fps 48.3 2,532 fps AR2206H .338" 3.240" 46.0 2,410 fps 51,200 PSI 49.8 2,577 fps 63.000 PSI AR2208 338' 3 240" 48.0 2,441 fps 52.100 PSI 520 62.700 PSI 2,599 fps 3 240" 55.0 2,481 fps 52,100 PSI 59.5C 2,649 fps 62,700 PSI AR2209 338" 250 GR. HDY SP 46.0 .338' 3.300" 2,248 fps 51.300 PSI 50.0 2,405 fps 62.100 PSI AR2208 AR2209 .338' 3.300" 55.0 2,366 fps 51,700 PSI 59.8 2,540 fps 63,400 PSI Case: Homady Barrel length: 24" Twist: 1:10" Trim length: 2.005" 338 Ruger Compact Magnum Primer: Winchester LRM Start loads Maximum loads **Bullet** Powder Bullet Diam. C.O.L. Grs. Velocity **Pressure** Velocity **Pressure** Grs. 160 GR. BAR TTSX Bench Mark 8208 338' 2.830" 52.4 2,848 fps 45,800 PSI 57.0C 3,101 fps 62,900 PSI AR2206H .338" 2.830" 52.0 2,858 fps 50,200 PSI 58.0C 3,117 fps 63,100 PSI AR2208 2.830" 53.0 2,771 fps 46,800 PSI 59.5C 3,067 fps 62,200 PSI .338' **180 GR. NOS AB** Bench Mark 8208 .338" 2.830" 50.8 2,769 fps 52,600 PSI 54.6 2,919 fps 61,900 PSI AR2206H 338' 2 830" 50.0 2,736 fps 52.200 PSI 55.0C 2,923 fps 61.200 PSI AR2208 338' 2 830" 51.0 2,682 fps 50.000 PSI 56.7C 2,909 fps 62.200 PSI 185 GR BAR TSX 2 800" 53 400 PSI 54.5C 62 700 PSI Bench Mark 8208 038' 512 2.732 fps 2.868 fps 2,852 fps AR2206H .338" 2.800" 50.0 2,649 fps 49,400 PSI 54.8C 60,600 PSI 338' 2 800" 510 2,602 fps 48,000 PSI 57.0C 2,867 fps 62 900 PSI 200 GR. HDY SP Bench Mark 8208 .338" 2.830" 50.8 2,655 fps 55,300 PSI 54.0 60,900 PSI 2,759 fps AR2206H .338' 2.830" 50.0 2,627 fps 55,400 PSI 55.3 2,803 fps 63,600 PSI AR2208 .338" 2.830" 51.0 2,572 fps 51,300 PSI 57.0C 2,798 fps 64,000 PSI 47.0 210 GR. SFT SCIR AR2206H .338' 2 830" 54,200 PSI 52.0C 60,800 PSI 2,514 fps 2,665 fps AR2208 .338" 2.830" 48.0 2,457 fps 49,800 PSI 53.0C 2,662 fps 62,300 PSI 215 GR. SIE SPBT Bench Mark 8208 338' 2 830" 484 2,540 fps 57,600 PSI 510 2,620 fps 61.5 PSI 46.0 51.600 PSI 61.900 PSI AR2206H 338" 2 830" 2,460 fps 510 2 639 fps AR2208 .338' 2.830" 48.0 2,465 fps 52,000 PSI 53.5C 2,658 fps 62,900 PSI Bench Mark 8208 225 GR. HDY IB .338" 2.830" 48.2 2,465 fps 54,200 PSI 51.3 2,587 fps 62,600 PSI AR2206H .338' 2.830" 47.0 56,800 PSI 52.3 63,300 PSI 2,465 fps 2,619 fps AR2208 .338" 2.830" 48.0 2,403 fps 50,500 PSI 53.3 2,601 fps 62,200 PSI 250 GR, SFT AF/SS 44.9 47.3 59,400 PSI Bench Mark 8208 338' 2 730" 2,258 fps 56.500 PSI 2,321 fps 63,100 PSI AR2206H .338" 41.0 50,500 PSI 45.8C 2,355 fps 2.730" 2,158 fps 51,500 PSI AR2208 338' 48.8C 61,400 PSI 2.730" 44.0 2,192 fps 2,352 fps

Case: Winchester

Barrel length: 24"

					.40"				
338 Winchester Mag	ınum			Twist: 1			ı rım len	gth: 2.490"	
				Primer:	Winchester L		1		
	<u> </u>				Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
160 GR. BAR TTSX	Bench Mark 8208	.338"	3.325"	58.0	3,023 fps	47,000 CUP	64.0	3,198 fps	51,900 CUP
	AR2206H	.338"	3.325"	60.0	3,057 fps	45,000 CUP	67.0	3,271 fps	51,600 CUP
	AR2208	.338"	3.325"	62.0	2,984 fps	41,600 CUP	68.5	3,196 fps	51,100 CUP
180 GR. NOS BT	AR2206H	.338"	3.340"	58.0	2,893 fps	45,100 CUP	64.0	3,066 fps	52,300 CUP
	AR2208	.338"	3.340"	57.0	2,871 fps	45,500 CUP	63.5	3,087 fps	53,200 CUP
	AR2209	.338"	3.340"	69.0	2,928 fps	41,200 CUP	74.5	3,157 fps	52,200 CUP
	AR2213SC	.338"	3.340"	70.0	2,776 fps	35,200 CUP	78.0C	3,067 fps	49,100 CUP
185 GR. BAR TSX	AR2206H	.338"	3.290"	56.0	2,764 fps	46,600 CUP	59.5	2,901 fps	52,300 CUP
	AR2208	.338"	3.290"	60.0	2,831 fps	47,200 CUP	65.0	3,013 fps	52,900 CUP
	AR2209	.338"	3.290"	69.6	2,896 fps	47,500 CUP	74.0C	3,048 fps	52,800 CUP
200 GR. SPR SP	AR2206H	.338"	3.300"	56.0	2,702 fps	44,700 CUP	62.0	2,877 fps	52,600 CUP
	AR2208	.338"	3.300"	53.0	2,597 fps	39,100 CUP	58.5	2,805 fps	51,100 CUP
	AR2209	.338"	3.300"	65.0	2,695 fps	39,900 CUP	72.5	2,969 fps	52,200 CUP
	AR2213SC	.338"	3.300"	70.0	2,703 fps	41,300 CUP	77.5C	2,965 fps	52,400 CUP
210 GR. NOS PART	AR2206H	.338"	3.280"	54.0	2,609 fps	44,100 CUP	60.0	2,788 fps	53,000 CUP
	AR2208	.338"	3.280"	53.0	2,577 fps	41,800 CUP	58.5	2,784 fps	52,500 CUP
	AR2209	.338"	3.280"	63.0	2,618 fps	41,500 CUP	70.0	2,855 fps	51,800 CUP
	AR2213SC	.338"	3.280"	68.0	2,648 fps	42,600 CUP	75.5C	2,888 fps	52,300 CUP
225 GR. HDY SP	AR2206H	.338"	3.340"	53.0	2,505 fps	43,000 CUP	59.0	2,688 fps	52,400 CUP
	AR2208	.338"	3.340"	52.0	2,481 fps	41,500 CUP	57.5	2,680 fps	52,700 CUP
	AR2209	.338"	3.340"	63.0	2,571 fps	41,100 CUP	69.5	2,785 fps	51,700 CUP
	AR2213SC	.338"	3.340"	67.0	2,542 fps	40,200 CUP	74.5C	2,792 fps	52,000 CUP
250 GR. HDY SP	AR2209	.338"	3.340"	61.0	2,448 fps	42,000 CUP	67.5	2,657 fps	51,900 CUP
	AR2213SC	.338"	3.340"	64.0	2,424 fps	41,900 CUP	71.5C	2,655 fps	52,300 CUP
	AR2217	.338"	3.340"	72.0	2,512 fps	41,500 CUP	76.0C	2,622 fps	46,500 CUP
265 GR. BAR TTSX BT	AR2209	.338"	3.450"	55.8	2,287 fps	48,400 CUP	59.4	2,409 fps	52,200 CUP
	AR2213SC	.338"	3.450"	60.3	2,236 fps	44,000 CUP	67.0C	2,434 fps	52,500 CUP
275 GR. SPR SP	AR2209	.338"	3.340"	57.0	2,259 fps	41,100 CUP	63.5	2,447 fps	52,100 CUP
	AR2213SC	.338"	3.340"	62.0	2,304 fps	42,600 CUP	69.0	2,502 fps	52,300 CUP
	AR2217	.338"	3.340"	70.0	2,402 fps	43,400 CUP	76.0C	2,564 fps	51,100 CUP
300 GR. SIE HPBT	AR2209	.338"	3.340"	56.0	2,202 fps	44,000 CUP	61.5	2,362 fps	52,600 CUP
	AR2213SC	.338"	3.340"	63.0	2,255 fps	45,900 CUP	69.0C	2,422 fps	52,800 CUP
	AR2217	.338"	3.340"	66.0	2,241 fps	42,200 CUP	70.0C	2,347 fps	46,900 CUP
							D !!	41 000	
					Veatherby			ength: 26"	
340 Weatherby Mag	num			Twist: 1			i rim ien	gth: 2.815"	
				Primer:	Federal 215				
				1	Start loa	loads Maximum loads			
Bullet									•
Dullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
200 GR. SPR SP	Powder AR2209	Bullet Diam.	C.O.L. 3.560"	Grs. 77.0	1	Pressure -	Grs. 80.0	Velocity 2,994 fps	Pressure -
				1	Velocity	Pressure - -			Pressure - -
	AR2209	.338"	3.560"	77.0	Velocity 2,777 fps	Pressure	80.0	2,994 fps	Pressure
200 GR. SPR SP	AR2209 AR2213SC	.338"	3.560" 3.560"	77.0 85.0	Velocity 2,777 fps 2,837 fps	Pressure	80.0 90.0	2,994 fps 3,040 fps	Pressure
200 GR. SPR SP	AR2209 AR2213SC AR2209	.338" .338" .338"	3.560" 3.560" 3.655"	77.0 85.0 75.0	Velocity 2,777 fps 2,837 fps 2,707 fps		80.0 90.0 78.0	2,994 fps 3,040 fps 2,866 fps	- - -
200 GR. SPR SP 225 GR. HDY SP	AR2209 AR2213SC AR2209 AR2213SC	.338" .338" .338" .338"	3.560" 3.560" 3.655" 3.655"	77.0 85.0 75.0 81.0	Velocity 2,777 fps 2,837 fps 2,707 fps 2,620 fps		80.0 90.0 78.0 86.0	2,994 fps 3,040 fps 2,866 fps 2,889 fps	- - -

				Coco: \A	/eatherby		Porrel le	ngth: 26"	
				Twist: 1	•			gth: 2.815"	
340 Weatherby Mag	num						mmen	gui: 2.015	
				Primer:	Federal 215		T		
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
	AR2213SC	.338"	3.560"	75.0	2,377 fps	-	80.0	2,569 fps	-
				Case: N	loma		Barrel le	ngth: 24"	
338 Lapua Magnum				Twist: 1	:9"			gth: 2.714"	
ooo Lapaa Magnam				Primer	Federal 215M	1		•	
				T TIITIOI.			1	Maximuma	
Dullet	Danielan	Dullet Diese	001	C	Start loa	1	0	Maximum I	<u> </u>
Bullet	Powder AR2209	Bullet Diam.	C.O.L. 3.565"	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
160 GR. BAR TTSX		.338"		89.3	3,348 fps	54,100 PSI	95.0	3,511 fps	61,800 PSI
40E CD BAD TOV	AR2213SC	.338"	3.565"	98.5	3,290 fps	52,900 PSI	104.8C	3,472 fps	61,200 PSI
185 GR. BAR TSX	AR2209	.338"	3.530"	85.0	3,120 fps	53,200 PSI	90.4	3,311 fps	63,400 PSI
	AR2213SC	.338"	3.530"	93.7	3,085 fps	52,500 PSI	100.0	3,281 fps	61,500 PSI
200 CD CDC CD	AR2217	.338"	3.530"	100.0	3,051 fps	49,300 PSI	106.0C	3,218 fps	57,300 PSI
200 GR. SPR SP	AR2209	.338"	3.525"	79.0	2,925 fps	45,900 CUP	85.5	3,099 fps	52,500 CUP
	AR2213SC	.338"	3.525"	83.0	2,855 fps	44,900 CUP	92.0	3,086 fps	53,200 CUP
	AR2217	.338"	3.525"	92.0	2,854 fps	42,300 CUP	102.0C	3,116 fps	52,500 CUP
	AR2225	.338"	3.525"	96.0	2,928 fps	43,700 CUP	104.0C	3,189 fps	52,600 CUP
210 GR. NOS PART	AR2209	.338"	3.525"	76.0	2,834 fps	47,000 CUP	82.0	3,005 fps	52,200 CUP
	AR2213SC	.338"	3.525"	80.0	2,735 fps	44,600 CUP	89.0	3,006 fps	53,000 CUP
	AR2217	.338"	3.525"	90.0	2,800 fps	42,900 CUP	99.5	3,052 fps	52,500 CUP
	AR2225	.338"	3.525"	92.0	2,846 fps	42,100 CUP	102.0C	3,142 fps	52,600 CUP
215 GR. SIE SPBT	AR2209	.338"	3.550"	76.0	2,791 fps	45,000 CUP	84.0	3,015 fps	52,800 CUP
	AR2213SC	.338"	3.550"	82.0	2,763 fps	44,500 CUP	91.0	2,997 fps	53,000 CUP
	AR2217	.338"	3.550"	92.0	2,809 fps	43,500 CUP	102.0C	3,068 fps	53,000 CUP
	AR2225	.338"	3.550"	94.0	2,849 fps	43,700 CUP	104.0C	3,125 fps	51,900 CUP
225 GR. NOS PART	AR2209	.338"	3.550"	74.0	2,715 fps	45,200 CUP	82.5	2,936 fps	52,800 CUP
	AR2213SC	.338"	3.550"	80.0	2,699 fps	44,000 CUP	89.6	2,918 fps	52,900 CUP
	AR2217	.338"	3.550"	91.0	2,713 fps	42,100 CUP	101.0C	2,995 fps	53,100 CUP
	AR2225	.338"	3.550"	92.0	2,744 fps	41,200 CUP	102.0C	3,040 fps	52,300 CUP
250 GR. HDY SP	AR2209	.338"	3.550"	74.0	2,615 fps	48,300 CUP	78.0	2,742 fps	52,300 CUP
	AR2213SC	.338"	3.550"	79.0	2,600 fps	46,100 CUP	85.0	2,740 fps	52,200 CUP
	AR2217	.338"	3.550"	88.0	2,567 fps	41,400 CUP	98.0C	2,838 fps	52,800 CUP
	AR2225	.338"	3.550"	90.0	2,620 fps	43,200 CUP	98.0C	2,853 fps	52,000 CUP
265 GR. BAR TTSX BT	AR2213SC	.338"	3.685"	74.6	2,518 fps	54,400 PSI	79.4	2,642 fps	61,600 PSI
	AR2217	.338"	3.685"	77.7	2,510 fps	52,800 PSI	83.6	2,656 fps	61,100 PSI
	AR2225	.338"	3.685"	76.4	2,483 fps	50,400 PSI	83.0	2,660 fps	60,600 PSI
275 GR. SFT SP	AR2213SC	.338"	3.460"	71.0	2,349 fps	42,800 CUP	79.0	2,572 fps	52,800 CUP
	AR2217	.338"	3.460"	83.0	2,444 fps	43,500 CUP	91.5C	2,648 fps	52,600 CUP
	AR2225	.338"	3.460"	80.0	2,421 fps	41,800 CUP	89.0	2,671 fps	52,700 CUP
300 GR. SIE HPBT	AR2213SC	.338"	3.600"	71.0	2,307 fps	44,400 CUP	79.0	2,511 fps	53,100 CUP
	AR2217	.338"	3.600"	83.0	2,383 fps	43,200 CUP	92.0C	2,590 fps	53,000 CUP
	AR2225	.338"	3.600"	85.0	2,376 fps	41,100 CUP	94.0C	2,654 fps	53,400 CUP

				T					
					Remington			ength: 24"	
338 Remington Ult	ra Mag			Twist: 1	:10"		Trim len	igth: 2.750"	
				Primer:	Remington 9	1/2M			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
185 GR. BAR TSX	AR2209	.338"	3.550"	82.0	3,037 fps	51,400 PSI	89.0	3,274 fps	63.8 PSI
	AR2213SC	.338"	3.550"	91.0	3,040 fps	52,000 PSI	97.0	3,232 fps	62,100 PS
	AR2217	.338"	3.550"	96.0	3,068 fps	52,300 PSI	102.0C	3,241 fps	61,500 PS
200 GR. SPR SP	AR2209	.338"	3.590"	84.0	3,011 fps	55,400 PSI	89.5	3,156 fps	63,000 PS
	AR2213SC	.338"	3.590"	91.0	2,979 fps	54,500 PSI	96.5	3,138 fps	63,000 PS
	AR2217	.338"	3.590"	96.0	2,944 fps	48,300 PSI	102.0C	3,127 fps	58,600 PS
210 GR. NOS PART	AR2209	.338"	3.540"	82.0	2,941 fps	53,700 PSI	87.0	3,107 fps	62,900 PS
	AR2213SC	.338"	3.540"	89.0	2,913 fps	54,600 PSI	94.5	3,084 fps	63,100 PS
	AR2217	.338"	3.540"	96.0	2,952 fps	51,200 PSI	102.0C	3,153 fps	62,900 PS
215 GR. SIE SPBT	AR2209	.338"	3.590"	83.0	2,940 fps	54,100 PSI	88.0	3,088 fps	62,700 PS
	AR2213SC	.338"	3.590"	89.0	2,881 fps	51,800 PSI	94.5	3,057 fps	62,800 PS
	AR2217	.338"	3.590"	96.0	2,947 fps	51,800 PSI	102.0C	3,127 fps	62,800 PS
225 GR. NOS PART	AR2209	.338"	3.550"	81.0	2,832 fps	54,200 PSI	86.0	2,976 fps	62,600 PS
	AR2213SC	.338"	3.550"	88.0	2,825 fps	54,400 PSI	93.5	2,977 fps	63,000 PS
	AR2217	.338"	3.550"	94.0	2,860 fps	51,400 PSI	100.0C	3,058 fps	63,000 PS
	AR2225	.338"	3.550"	97.0	2,662 fps	52,800 PSI	103.0C	3,055 fps	61,100 PS
250 GR. HDY SP	AR2209	.338"	3.580"	78.0	2,698 fps	55,700 PSI	83.0	2,820 fps	63,000 PS
	AR2213SC	.338"	3.580"	84.0	2,662 fps	50,000 PSI	90.0	2,858 fps	62,500 PS
	AR2217	.338"	3.580"	92.0	2,756 fps	52,400 PSI	98.0C	2,923 fps	62,400 PS
	AR2225	.338"	3.580"	95.0	2,798 fps	54,600 PSI	101.0C	2,964 fps	64,500 PS
275 GR. SFT SP	AR2209	.338"	3.490"	73.0	2,507 fps	54,800 PSI	78.0	2,650 fps	62,900 PS
	AR2213SC	.338"	3.490"	81.0	2,570 fps	55,000 PSI	86.0	2,693 fps	62,500 PS
	AR2217	.338"	3.490"	86.0	2,602 fps	54,800 PSI	91.0C	2,729 fps	62,700 PS
	AR2225	.338"	3.490"	88.0	2,649 fps	57,900 PSI	94.0C	2,764 fps	63,100 PS
300 GR. SIE HPBT	AR2217	.338"	3.580"	82.0	2,443 fps	51,900 PSI	88.5C	2,619 fps	62,500 PS
	AR2225	.338"	3.580"	84.0	2,501 fps	53,900 PSI	90.5C	2,662 fps	62,200 PS
	7 II CELEO	.000	0.000			00,0001 01	00.00	2,002 100	02,20010
				Case: V	Veatherby			ength: 26"	
338-378 Weatherby	/ Magnum			Twist: 1	:10"		Trim len	igth: 2.903"	
				Primer:	Federal 215M	1			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
160 GR. BAR XFB	AR2209	.338"	3.650"	99.0	3,387 fps	46,600 CUP	106.0	3,610 fps	53,600 CU
	AR2213SC	.338"	3.650"	107.0	3,357 fps	47,200 CUP	114.0	3,583 fps	53,500 CU
	AR2217	.338"	3.650"	116.0	3,374 fps	46,100 CUP	120.0C	3,478 fps	49,200 CU
175 GR. BAR XFB	AR2209	.338"	3.700"	96.0	3,265 fps	46,500 CUP	102.0	3,478 fps	54,000 CU
	AR2213SC	.338"	3.700"	103.0	3,200 fps	46,800 CUP	110.0	3,399 fps	53,600 CU
	AR2217	.338"	3.700"	113.0	3,250 fps	45,600 CUP	120.0C	3,413 fps	51,200 CU
185 GR. BAR XBTC	AR2209	.338"	3.700"	94.0	3,183 fps	45,600 CUP	100.5	3,368 fps	53,800 CU
	AR2213SC	.338"	3.700"	102.0	3,212 fps	48,600 CUP	109.0	3,399 fps	54,000 CL
	AR2217	.338"	3.700"	113.0	3,264 fps	47,700 CUP	120.0C	3,435 fps	53,100 CL
	AR2225	.338"	3.700"	119.0	3,331 fps	45,900 CUP	123.0C	3,432 fps	48,800 CL
200 GR. SPR SP	AR2209	.338"	3.740"	92.0	3,046 fps	46,000 CUP	98.5	3,260 fps	54,100 CU
	AR2213SC	.338"	3.740"	98.0	2,977 fps	43,200 CUP	105.0	3,217 fps	53,700 CU
	7 tt CLZ 1000	.000	5.1-10	55.0	_,577 ip5	10,200 001	.00.0	0,E17 1p3	00,700 00

AR2217

AR2225

.338"

.338"

3.740"

3.740"

110.0

116.0

3,138 fps

3,227 fps

46,200 CUP

46,300 CUP | 123.0C |

3,350 fps

54,000 CUP

3,400 fps 51,400 CUP

117.0C

				Case: V	Veatherby		Barrel le	ngth: 26"	
338-378 Weatherby I	Magnum			Twist: 1	:10"			gth: 2.903"	
330-370 Weatherby	Magrium			Primer	Federal 215N	1		J	
				1 11111011			1	Maximuma	anda .
Bullet	Powder	Bullet Diam.	C.O.L.	C	Start loa	1	C	Maximum I	1
	1 2 1 1 1 1 1			Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
210 GR. NOS PART	AR2209	.338"	3.740"	91.0	3,011 fps	47,400 CUP	96.5	3,176 fps	54,000 CUP
	AR2213SC	.338"	3.740"	97.0	2,955 fps	46,500 CUP	103.0	3,154 fps	54,000 CUP
	AR2217	.338"	3.740"	106.0	2,981 fps	44,500 CUP	113.0	3,192 fps	53,500 CUP
045 OD 015 ODDT	AR2225	.338"	3.740"	116.0	3,184 fps	48,000 CUP	123.0C	3,362 fps	54,000 CUP
215 GR. SIE SPBT	AR2209	.338"	3.740"	90.0	3,025 fps	49,700 CUP	96.0	3,143 fps	53,900 CUP
	AR2213SC	.338"	3.740"	98.0	2,979 fps	48,300 CUP	104.0	3,140 fps	53,800 CUP
	AR2217	.338"	3.740"	105.0	2,958 fps	45,700 CUP	112.0	3,155 fps	54,000 CUP
	AR2225	.338"	3.740"	115.0	3,149 fps	46,800 CUP	122.0C	3,331 fps	53,900 CUP
225 GR. NOS PART	AR2209	.338"	3.700"	90.0	2,974 fps	48,000 CUP	95.5	3,100 fps	53,900 CUP
	AR2213SC	.338"	3.700"	98.0	2,948 fps	47,500 CUP	104.0	3,107 fps	54,000 CUP
	AR2217	.338"	3.700"	104.0	2,940 fps	46,000 CUP	111.0	3,112 fps	53,800 CUP
	AR2225	.338"	3.700"	112.0	3,039 fps	45,900 CUP	119.0C	3,244 fps	54,300 CUP
250 GR. HDY SP	AR2213SC	.338"	3.660"	95.0	2,785 fps	46,500 CUP	101.0	2,951 fps	53,800 CUP
	AR2217	.338"	3.660"	102.0	2,795 fps	43,900 CUP	109.0	2,989 fps	53,900 CUP
	AR2225	.338"	3.660"	108.0	2,881 fps	43,800 CUP	115.0C	3,072 fps	52,300 CUP
265 GR. BAR TTSX BT	AR2213SC	.338"	3.900"	94.0	2,802 fps	49,000 CUP	99.0	2,898 fps	52,300 CUP
	AR2217	.338"	3.900"	96.5	2,701 fps	42,200 CUP	105.0	2,932 fps	53,100 CUP
	AR2225	.338"	3.900"	95.4	2,680 fps	41,100 CUP	106.0C	2,970 fps	51,200 CUP
275 GR. SFT SP	AR2213SC	.338"	3.640"	92.0	2,666 fps	48,000 CUP	98.0	2,800 fps	53,900 CUP
	AR2217	.338"	3.640"	100.0	2,688 fps	45,100 CUP	106.0	2,837 fps	53,700 CUP
	AR2225	.338"	3.640"	104.0	2,707 fps	41,600 CUP	110.5C	2,934 fps	52,500 CUP
	AR2218	.338"	3.640"	116.0	2,752 fps	46,000 CUP	120.0C	2,843 fps	51,000 CUP
300 GR. SIE HPBT	AR2213SC	.338"	3.750"	89.0	2,596 fps	48,800 CUP	95.0	2,718 fps	54,000 CUP
	AR2217	.338"	3.750"	92.0	2,506 fps	41,300 CUP	101.5	2,747 fps	54,000 CUP
	AR2225	.338"	3.750"	100.0	2,604 fps	41,900 CUP	106.5	2,818 fps	53,000 CUP
				Case: V	Vinchester		Barrel le	ngth: 24"	
348 Winchester				Twist: 1	:12"		Trim len	gth: 2.245"	
				Primer:	CCI 200				
					Start loa	ds		Maximum I	nads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
200 GR. HDY JFP	Bench Mark 2	.348"	2.810"	48.0	2,402 fps	30,700 CUP	52.0	2,552 fps	36,200 CUP
· - ·	Bench Mark 8208	.348"	2.810"	48.0	2,418 fps	30,900 CUP	53.0	2,579 fps	36,500 CUP
	AR2206H	.348"	2.810"	51.0	2,419 fps	29,700 CUP	55.0	2,591 fps	35,500 CUP
	AR2208	.348"	2.810"	53.0	2,389 fps	29,300 CUP	58.0	2,605 fps	35,800 CUP
	AR2209	.348"	2.810"	61.0	2,382 fps	27,500 CUP	66.0	2,630 fps	35,900 CUP
	AR2213SC	.348"	2.810"	65.0	2,316 fps	26,500 CUP	68.5C	2,467 fps	31,600 CUP
250 GR. BAR FN	Bench Mark 2	.348"	2.760"	44.0	2,087 fps	31,300 CUP	47.5	2,221 fps	35,800 CUP
	AR2206H	.348"	2.760"	45.0	2,074 fps	29,200 CUP	50.0	2,278 fps	36,500 CUP
	AR2208	.348"	2.760"	47.0	2,086 fps	28,800 CUP	52.0	2,283 fps	36,100 CUP
	AR2209	.348"	2.760"	55.0	2,157 fps	31,000 CUP	59.5	2,328 fps	35,700 CUP
	AR2213SC	.348"	2.760"	60.0	2,117 fps	29,800 CUP	65.0C	2,299 fps	35,800 CUP
	7 11 122 1000	.010	2.700	55.0	Σ,1171μ	20,000 001	30.00	2,200 100	30,000 001

				Case: V	/inchester		Barrel le	ength: 18.5"	
357 Magnum				Twist: 1	:18.75"		Trim len	gth: 1.285"	
				Primer:	Winchester S	PM			
					Start load	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
110 GR. HDY XTP	AP70N	.357"	1.590"	7.5	1,585 fps	35,100 CUP	8.0	1,670 fps	40,000 CUP
	AR2205	.357"	1.590"	18.9	2,072 fps	29,600 CUP	21.0	2,233 fps	35,500 CUP
125 GR. HDY XTP	AP70N	.357"	1.590"	7.1	1,423 fps	34,900 CUP	7.6	1,526 fps	39,600 CUP
	AR2205	.357"	1.590"	18.0	1,955 fps	34,400 CUP	20.0	2,122 fps	42,000 CUP
140 GR. HDY XTP	AP70N	.357"	1.590"	6.5	1,282 fps	34,800 CUP	7.0	1,356 fps	40,200 CUP
	AR2205	.357"	1.590"	16.2	1,798 fps	33,100 CUP	18.0	1,930 fps	42,600 CUP
150 GR. NOS JFP	AP70N	.357"	1.590"	6.2	1,096 fps	32,800 CUP	6.7	1,323 fps	39,900 CUP
	AR2205	.357"	1.590"	15.0	1,663 fps	33,100 CUP	16.5	1,775 fps	36,700 CUP
158 GR. LEAD	AP50N	-	-	5.0	1,135 fps	-	5.3	1,200 fps	-
158 GR. HDY XTP	AP70N	.357"	1.580"	5.8	1,059 fps	32,100 CUP	6.3	1,147 fps	39,300 CUP
	AR2205	.357"	1.580"	14.5	1,578 fps	34,600 CUP	16.0	1,668 fps	42,600 CUP
158 GR. LSWC	AP70N	.358"	1.610"	5.5	1,214 fps	23,300 CUP	6.7	1,380 fps	34,600 CUP
	AR2205	.358"	1.610"	10.5	1,288 fps	15,400 CUP	11.5	1,382 fps	17,800 CUP
170 GR. SIE JHC	AR2205	.357"	1.580"	13.0	1,442 fps	32,300 CUP	14.5	1,535 fps	41,200 CUP
180 GR. NOS PART	AR2205	.357"	1.575"	12.7	1,185 fps	36,900 CUP	13.7	1,325 fps	40,900 CUP
	·							noth: 24"	
				Case: R	temington		Barrel le	ngui. 24	
				Case: R Twist: 1	ŭ			gth: 1.910"	
35 Remington				Twist: 1	:16"	1/2		•	
				Twist: 1	:16" Remington 9			gth: 1.910"	nads
35 Remington	Powder	Bullet Diam.	COL	Twist: 1 Primer:	:16" Remington 9 Start load	ds	Trim len	gth: 1.910" Maximum I	1
35 Remington Bullet	Powder AR2207	Bullet Diam.	C.O.L.	Twist: 1 Primer: Grs.	:16" Remington 9 Start load Velocity	ds Pressure	Trim len	gth: 1.910" Maximum I Velocity	Pressure
35 Remington	AR2207	.358"	2.470"	Twist: 1 Primer: Grs. 28.0	:16" Remington 9 Start load Velocity 1,971 fps	Pressure 28,600 CUP	Grs. 32.0	Maximum I Velocity 2,172 fps	Pressure 33,000 CUP
35 Remington Bullet				Twist: 1 Primer: Grs. 28.0 31.0	:16" Remington 9 Start load Velocity 1,971 fps 1,901 fps	Pressure 28,600 CUP 28,200 CUP	Grs. 32.0 35.0	Maximum I Velocity 2,172 fps 2,104 fps	Pressure 33,000 CUP 33,100 CUP
35 Remington Bullet	AR2207 AR2219	.358"	2.470" 2.470"	Twist: 1 Primer: Grs. 28.0	:16" Remington 9 Start load Velocity 1,971 fps 1,901 fps 1,865 fps	Pressure 28,600 CUP	Grs. 32.0 35.0 35.5	Maximum I Velocity 2,172 fps 2,104 fps 2,034 fps	Pressure 33,000 CUP
35 Remington Bullet	AR2207 AR2219 Bench Mark 2	.358" .358"	2.470" 2.470" 2.470"	Twist: 1 Primer: Grs. 28.0 31.0 32.5	:16" Remington 9 Start load Velocity 1,971 fps 1,901 fps	Pressure 28,600 CUP 28,200 CUP 29,300 CUP	Grs. 32.0 35.0	Maximum I Velocity 2,172 fps 2,104 fps	Pressure 33,000 CUP 33,100 CUP 32,300 CUP
35 Remington Bullet 180 GR. SPR FN	AR2207 AR2219 Bench Mark 2 Bench Mark 8208	.358" .358"	2.470" 2.470" 2.470"	Twist: 1 Primer: Grs. 28.0 31.0 32.5 33.0	Remington 9 Start load Velocity 1,971 fps 1,901 fps 1,865 fps 1,915 fps	Pressure 28,600 CUP 28,200 CUP 29,300 CUP	Grs. 32.0 35.0 35.5 37.0	Maximum I Velocity 2,172 fps 2,104 fps 2,034 fps 2,074 fps	Pressure 33,000 CUP 33,100 CUP 32,300 CUP
35 Remington Bullet 180 GR. SPR FN	AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206	.358" .358" .358" .358"	2.470" 2.470" 2.470" 2.470"	Twist: 1 Primer: Grs. 28.0 31.0 32.5 33.0 35.0	:16" Remington 9 Start load Velocity 1,971 fps 1,901 fps 1,865 fps 1,915 fps 1,990 fps	Pressure 28,600 CUP 28,200 CUP 29,300 CUP 30,900 CUP	Grs. 32.0 35.0 35.5 37.0 38.0	Maximum I Velocity 2,172 fps 2,104 fps 2,034 fps 2,074 fps 2,150 fps	93,000 CUP 33,100 CUP 32,300 CUP 33,900 CUP
35 Remington Bullet 180 GR. SPR FN	AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206 AR2206H	.358" .358" .358" .358" - .358"	2.470" 2.470" 2.470" 2.470" - 2.470"	Twist: 1 Primer: Grs. 28.0 31.0 32.5 33.0 35.0 35.0	:16" Remington 9 Start load Velocity 1,971 fps 1,901 fps 1,865 fps 1,915 fps 1,990 fps 1,991 fps	Pressure 28,600 CUP 28,200 CUP 29,300 CUP 30,900 CUP - 27,500 CUP	Grs. 32.0 35.0 35.5 37.0 38.0 39.0	Maximum I Velocity 2,172 fps 2,104 fps 2,034 fps 2,074 fps 2,150 fps 2,232 fps	Pressure 33,000 CUP 33,100 CUP 32,300 CUP 33,900 CUP - 33,100 CUP
35 Remington Bullet 180 GR. SPR FN 180 GR. 180 GR.	AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206 AR2206H AR2208	.358" .358" .358" .358" - .358"	2.470" 2.470" 2.470" - 2.470" - 2.470" 2.470"	Twist: 1 Primer: Grs. 28.0 31.0 32.5 33.0 35.0 35.0 37.0	:16" Remington 9 Start load Velocity 1,971 fps 1,901 fps 1,865 fps 1,915 fps 1,990 fps 1,991 fps 1,972 fps	28,600 CUP 28,200 CUP 29,300 CUP 30,900 CUP - 27,500 CUP 27,200 CUP	Grs. 32.0 35.0 35.5 37.0 38.0 39.0 40.5	Maximum I Velocity 2,172 fps 2,104 fps 2,034 fps 2,074 fps 2,150 fps 2,232 fps 2,196 fps	Pressure 33,000 CUP 33,100 CUP 32,300 CUP 33,900 CUP 33,100 CUP 32,500 CUP
35 Remington Bullet 180 GR. SPR FN 180 GR. 180 GR.	AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206 AR2206H AR2208 AR2207	.358" .358" .358" .358" - .358" .358" .358"	2.470" 2.470" 2.470" 2.470" - 2.470" 2.470" 2.510"	Twist: 1 Primer: Grs. 28.0 31.0 32.5 33.0 35.0 35.0 27.0	:16" Remington 9 Start load Velocity 1,971 fps 1,901 fps 1,865 fps 1,915 fps 1,990 fps 1,991 fps 1,972 fps 1,816 fps	28,600 CUP 28,200 CUP 29,300 CUP 30,900 CUP - 27,500 CUP 27,200 CUP 26,700 CUP	Grs. 32.0 35.0 35.5 37.0 38.0 39.0 40.5 30.5	Maximum I Velocity 2,172 fps 2,104 fps 2,034 fps 2,074 fps 2,150 fps 2,232 fps 2,196 fps 1,999 fps	Pressure 33,000 CUP 33,100 CUP 32,300 CUP 33,900 CUP - 33,100 CUP 32,500 CUP 31,700 CUP
35 Remington Bullet 180 GR. SPR FN 180 GR. 180 GR.	AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206 AR2206H AR2208 AR2207 AR2219	.358" .358" .358" .358" .358" .358" .358" .358"	2.470" 2.470" 2.470" 2.470" - 2.470" 2.470" 2.510"	Twist: 1 Primer: Grs. 28.0 31.0 32.5 33.0 35.0 35.0 37.0 27.0 31.0	:16" Remington 9 Start load Velocity 1,971 fps 1,901 fps 1,865 fps 1,990 fps 1,991 fps 1,972 fps 1,816 fps 1,866 fps	Pressure 28,600 CUP 28,200 CUP 29,300 CUP 30,900 CUP - 27,500 CUP 27,200 CUP 26,700 CUP 28,500 CUP	Grs. 32.0 35.0 35.5 37.0 38.0 39.0 40.5 30.5 33.8	Maximum I Velocity 2,172 fps 2,104 fps 2,034 fps 2,074 fps 2,150 fps 2,232 fps 2,196 fps 1,999 fps 1,987 fps	Pressure 33,000 CUP 33,100 CUP 32,300 CUP 33,100 CUP 32,500 CUP 31,700 CUP 33,100 CUP
35 Remington Bullet 180 GR. SPR FN 180 GR. 180 GR. SPR FN 200 GR. HDY RN	AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206 AR2206H AR2208 AR2207 AR2219 Bench Mark 2	.358" .358" .358" .358" .358" .358" .358" .358"	2.470" 2.470" 2.470"	Twist: 1 Primer: Grs. 28.0 31.0 32.5 33.0 35.0 37.0 27.0 31.0 32.5	:16" Remington 9 Start load Velocity 1,971 fps 1,901 fps 1,865 fps 1,990 fps 1,991 fps 1,972 fps 1,816 fps 1,866 fps 1,847 fps	28,600 CUP 28,200 CUP 29,300 CUP 30,900 CUP - 27,500 CUP 27,200 CUP 26,700 CUP 28,500 CUP 29,400 CUP	Grs. 32.0 35.0 35.5 37.0 38.0 39.0 40.5 33.8 35.5	Maximum I Velocity 2,172 fps 2,104 fps 2,034 fps 2,074 fps 2,150 fps 2,232 fps 2,196 fps 1,999 fps 1,987 fps 1,984 fps	Pressure 33,000 CUP 33,100 CUP 32,300 CUP 33,900 CUP - 33,100 CUP 32,500 CUP 31,700 CUP 32,600 CUP
35 Remington Bullet 180 GR. SPR FN 180 GR. 180 GR.	AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206 AR2206H AR2208 AR2207 AR2219 Bench Mark 2 Bench Mark 8208	.358" .358" .358" .358" .358" .358" .358" .358"	2.470" 2.470" 2.470"	Twist: 1 Primer: Grs. 28.0 31.0 32.5 33.0 35.0 37.0 27.0 31.0 32.5 33.0	:16" Remington 9 Start load Velocity 1,971 fps 1,901 fps 1,865 fps 1,915 fps 1,990 fps 1,991 fps 1,972 fps 1,816 fps 1,866 fps 1,847 fps 1,872 fps	28,600 CUP 28,200 CUP 29,300 CUP 30,900 CUP - 27,500 CUP 27,200 CUP 26,700 CUP 28,500 CUP 29,400 CUP	Grs. 32.0 35.0 35.5 37.0 38.0 39.0 40.5 33.8 35.5 36.6	Maximum I Velocity 2,172 fps 2,104 fps 2,034 fps 2,074 fps 2,150 fps 2,232 fps 2,196 fps 1,999 fps 1,987 fps 1,984 fps 1,997 fps	Pressure 33,000 CUP 33,100 CUP 32,300 CUP 33,900 CUP - 33,100 CUP 32,500 CUP 31,700 CUP 32,600 CUP
35 Remington Bullet 180 GR. SPR FN 180 GR. 180 GR. SPR FN 200 GR. HDY RN	AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206 AR2206H AR2208 AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206	.358" .358" .358" .358" .358" .358" .358" .358" .358" .358"	2.470" 2.470" 2.470"	Twist: 1 Primer: Grs. 28.0 31.0 32.5 33.0 35.0 37.0 27.0 31.0 32.5 33.0 34.0	:16" Remington 9 Start load Velocity 1,971 fps 1,901 fps 1,865 fps 1,915 fps 1,990 fps 1,991 fps 1,972 fps 1,816 fps 1,866 fps 1,847 fps 1,872 fps 1,845 fps	28,600 CUP 28,200 CUP 29,300 CUP 30,900 CUP 27,500 CUP 27,200 CUP 26,700 CUP 28,500 CUP 29,400 CUP 31,000 CUP	Grs. 32.0 35.0 35.5 37.0 38.0 39.0 40.5 30.5 33.8 35.5 36.6 37.0	Maximum I Velocity 2,172 fps 2,104 fps 2,034 fps 2,074 fps 2,150 fps 2,232 fps 2,196 fps 1,999 fps 1,987 fps 1,987 fps 1,997 fps 2,010 fps	Pressure 33,000 CUP 33,100 CUP 32,300 CUP 33,100 CUP 32,500 CUP 31,700 CUP 32,600 CUP 33,600 CUP
35 Remington Bullet 180 GR. SPR FN 180 GR. SPR FN 200 GR. HDY RN 200 GR.	AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206 AR2206H AR2208 AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206 AR2206H AR2206	.358" .358" .358"358" .358" .358" .358" .358" .358" .358" .358" .358"	2.470" 2.470" 2.470"	Twist: 1 Primer: Grs. 28.0 31.0 32.5 33.0 35.0 37.0 27.0 31.0 32.5 33.0 34.0 35.0	216" Remington 9 Start load Velocity 1,971 fps 1,901 fps 1,865 fps 1,990 fps 1,992 fps 1,816 fps 1,866 fps 1,847 fps 1,872 fps 1,845 fps 1,845 fps 1,920 fps	28,600 CUP 28,200 CUP 29,300 CUP 30,900 CUP - 27,500 CUP 27,200 CUP 26,700 CUP 28,500 CUP 29,400 CUP 31,000 CUP - 26,100 CUP	Grs. 32.0 35.0 35.5 37.0 38.0 39.0 40.5 33.8 35.5 36.6 37.0 38.5	Maximum I Velocity 2,172 fps 2,104 fps 2,034 fps 2,074 fps 2,150 fps 2,150 fps 2,232 fps 2,196 fps 1,999 fps 1,987 fps 1,987 fps 1,997 fps 2,010 fps 2,110 fps	Pressure 33,000 CUP 33,100 CUP 32,300 CUP 33,100 CUP 32,500 CUP 31,700 CUP 32,600 CUP 33,600 CUP 32,300 CUP
35 Remington Bullet 180 GR. SPR FN 180 GR. SPR FN 200 GR. HDY RN 200 GR.	AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206 AR2206H AR2208 AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206 AR2206 AR2206 AR2206 AR2206	.358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358"	2.470" 2.470" 2.470"	Twist: 1 Primer: Grs. 28.0 31.0 32.5 33.0 35.0 37.0 27.0 31.0 32.5 33.0 34.0 35.0 36.0	:16" Remington 9 Start load Velocity 1,971 fps 1,901 fps 1,865 fps 1,990 fps 1,991 fps 1,972 fps 1,816 fps 1,866 fps 1,847 fps 1,872 fps 1,845 fps 1,845 fps 1,920 fps	28,600 CUP 28,200 CUP 29,300 CUP 30,900 CUP 27,500 CUP 27,200 CUP 26,700 CUP 28,500 CUP 31,000 CUP - 26,100 CUP 28,800 CUP	Grs. 32.0 35.0 35.5 37.0 38.0 39.0 40.5 30.5 33.8 35.5 36.6 37.0 38.5	Maximum I Velocity 2,172 fps 2,104 fps 2,034 fps 2,074 fps 2,150 fps 2,150 fps 1,999 fps 1,997 fps 1,997 fps 2,010 fps 2,110 fps 2,139 fps	Pressure 33,000 CUP 33,100 CUP 32,300 CUP 33,900 CUP - 33,100 CUP 32,500 CUP 31,700 CUP 32,600 CUP - 32,600 CUP 32,300 CUP 32,300 CUP
35 Remington Bullet 180 GR. SPR FN 180 GR. SPR FN 200 GR. HDY RN 200 GR.	AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206 AR2206H AR2208 AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206 AR2206 AR2206 Bench Mark 8208 AR2206 Bench Mark 8208 Bench Mark 8208	.358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358"	2.470" 2.470" 2.470" 2.470" - 2.470" 2.470" 2.510" 2.510" 2.510" - 2.510" 2.510" 2.510" 2.540"	Twist: 1 Primer: Grs. 28.0 31.0 32.5 33.0 35.0 37.0 27.0 31.0 32.5 33.0 34.0 35.0 36.0 36.0 33.2	:16" Remington 9 Start load Velocity 1,971 fps 1,901 fps 1,865 fps 1,915 fps 1,990 fps 1,991 fps 1,816 fps 1,816 fps 1,847 fps 1,847 fps 1,845 fps 1,845 fps 1,920 fps 1,996 fps 1,799 fps	28,600 CUP 28,200 CUP 29,300 CUP 30,900 CUP 27,500 CUP 27,500 CUP 26,700 CUP 28,500 CUP 31,000 CUP - 26,100 CUP 28,800 CUP 28,800 CUP	Grs. 32.0 35.0 35.5 37.0 38.0 39.0 40.5 30.5 33.8 35.5 36.6 37.0 38.5 39.5	Maximum I Velocity 2,172 fps 2,104 fps 2,034 fps 2,074 fps 2,150 fps 2,232 fps 2,196 fps 1,999 fps 1,984 fps 1,997 fps 2,010 fps 2,110 fps 2,139 fps 1,932 fps	Pressure 33,000 CUP 33,100 CUP 32,300 CUP 33,100 CUP 32,500 CUP 31,700 CUP 32,600 CUP 32,300 CUP 33,300 CUP 32,000 CUP 32,000 CUP
35 Remington Bullet 180 GR. SPR FN 180 GR. SPR FN 200 GR. HDY RN 200 GR.	AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206 AR2206H AR2208 AR2219 Bench Mark 2 Bench Mark 8208 AR2206 AR2219 Bench Mark 8208 AR2206 AR2206 AR2206H AR2206H AR2208 Bench Mark 8208 AR2206H	.358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358"	2.470" 2.470" 2.470"	Twist: 1 Primer: Grs. 28.0 31.0 32.5 33.0 35.0 37.0 27.0 31.0 32.5 33.0 34.0 35.0 36.0 33.2	Remington 9 Start load Velocity 1,971 fps 1,901 fps 1,865 fps 1,915 fps 1,990 fps 1,972 fps 1,816 fps 1,866 fps 1,847 fps 1,872 fps 1,845 fps 1,845 fps 1,845 fps 1,920 fps 1,966 fps 1,799 fps 1,799 fps	28,600 CUP 28,200 CUP 29,300 CUP 30,900 CUP 27,500 CUP 27,200 CUP 26,700 CUP 28,500 CUP 31,000 CUP 26,100 CUP 28,800 CUP 28,800 CUP 28,800 CUP 28,800 CUP	Grs. 32.0 35.0 35.5 37.0 38.0 39.0 40.5 30.5 33.8 35.5 36.6 37.0 38.5 39.5 36.0 30.5	Maximum I Velocity 2,172 fps 2,104 fps 2,034 fps 2,074 fps 2,150 fps 2,150 fps 2,232 fps 2,196 fps 1,999 fps 1,984 fps 1,997 fps 2,010 fps 2,110 fps 2,139 fps 1,932 fps 1,959 fps	Pressure 33,000 CUP 33,100 CUP 32,300 CUP 33,900 CUP
35 Remington Bullet 180 GR. SPR FN 180 GR. 180 GR. SPR FN 200 GR. HDY RN 200 GR. 200 GR. HDY RN	AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206 AR2206H AR2208 AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206 AR2206 AR2206 AR2206 AR2206H AR2208 Bench Mark 8208 AR2206H AR2208 Bench Mark 8208 AR2208	.358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358"	2.470" 2.470" 2.470" 2.470"	Twist: 1 Primer: Grs. 28.0 31.0 32.5 33.0 35.0 37.0 27.0 31.0 32.5 33.0 34.0 36.0 33.2 33.8 36.0	Remington 9 Start load Velocity 1,971 fps 1,901 fps 1,865 fps 1,915 fps 1,990 fps 1,991 fps 1,972 fps 1,816 fps 1,847 fps 1,847 fps 1,845 fps 1,966 fps 1,839 fps 1,845 fps 1,845 fps	28,600 CUP 28,200 CUP 29,300 CUP 30,900 CUP 27,500 CUP 27,200 CUP 26,700 CUP 28,500 CUP 29,400 CUP 31,000 CUP 28,800 CUP 28,800 CUP 28,800 CUP 29,800 CUP	Grs. 32.0 35.0 35.5 37.0 38.0 39.0 40.5 30.5 33.8 35.5 36.6 37.0 38.5 39.5 36.3 36.0 38.3 36.3	Maximum I Velocity 2,172 fps 2,104 fps 2,034 fps 2,074 fps 2,150 fps 2,232 fps 2,196 fps 1,999 fps 1,984 fps 1,997 fps 2,010 fps 2,110 fps 2,139 fps 1,932 fps 1,959 fps 1,963 fps	Pressure 33,000 CUP 33,100 CUP 32,300 CUP 33,900 CUP 33,100 CUP 32,500 CUP 31,700 CUP 32,600 CUP 32,600 CUP 32,300 CUP 32,300 CUP 32,000 CUP 32,000 CUP 32,000 CUP
35 Remington Bullet 180 GR. SPR FN 180 GR. 180 GR. SPR FN 200 GR. HDY RN 200 GR. 200 GR. HDY RN	AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206 AR2206H AR2208 AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206 AR2206 AR2206 AR2206 AR2206H AR2208 Bench Mark 8208 AR2206H AR2208 Bench Mark 8208 AR2206H AR2208 AR2206H AR2208	.358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358"	2.470" 2.470" 2.470" 2.470"	Twist: 1 Primer: Grs. 28.0 31.0 32.5 33.0 35.0 37.0 27.0 31.0 32.5 33.0 34.0 35.0 36.0 36.0 36.0 36.0 36.0 36.0 36.0	Remington 9 Start load Velocity 1,971 fps 1,901 fps 1,865 fps 1,915 fps 1,990 fps 1,991 fps 1,816 fps 1,816 fps 1,847 fps 1,847 fps 1,845 fps 1,920 fps 1,920 fps 1,939 fps 1,945 fps 1,945 fps 1,945 fps 1,744 fps 1,744 fps	28,600 CUP 28,200 CUP 29,300 CUP 30,900 CUP 27,500 CUP 27,200 CUP 26,700 CUP 28,500 CUP 31,000 CUP - 26,100 CUP 28,800 CUP 28,800 CUP 28,800 CUP 30,000 CUP 29,800 CUP	Grs. 32.0 35.0 35.5 37.0 38.0 39.0 40.5 30.5 33.8 35.5 36.6 37.0 38.5 39.5 36.3 36.0 29.0	Maximum I Velocity 2,172 fps 2,104 fps 2,034 fps 2,074 fps 2,150 fps 2,232 fps 2,196 fps 1,999 fps 1,987 fps 1,997 fps 2,010 fps 2,110 fps 2,139 fps 1,932 fps 1,959 fps 1,963 fps 1,867 fps	Pressure 33,000 CUP 33,100 CUP 32,300 CUP
35 Remington Bullet 180 GR. SPR FN 180 GR. 180 GR. SPR FN 200 GR. HDY RN 200 GR. 200 GR. HDY RN	AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206 AR2206H AR2208 AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206 AR2206H AR2206 AR2206H AR2206 AR2206H AR2208 Bench Mark 8208 AR2206H AR2208 AR2208 AR2207 AR2219	.358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358" .358"	2.470" 2.470" 2.470" 2.470"	Twist: 1 Primer: 28.0 31.0 32.5 33.0 35.0 37.0 27.0 31.0 32.5 33.0 34.0 35.0 36.0 33.2 33.8 36.0 26.0 29.0	Remington 9 Start load Velocity 1,971 fps 1,901 fps 1,865 fps 1,990 fps 1,991 fps 1,972 fps 1,816 fps 1,847 fps 1,845 fps 1,845 fps 1,845 fps 1,920 fps 1,966 fps 1,799 fps 1,799 fps 1,845 fps 1,799 fps 1,845 fps 1,799 fps 1,845 fps 1,845 fps 1,799 fps 1,845 fps 1,845 fps 1,692 fps	28,600 CUP 28,200 CUP 29,300 CUP 30,900 CUP 27,500 CUP 27,200 CUP 26,700 CUP 28,500 CUP 29,400 CUP 29,400 CUP 28,800 CUP 28,800 CUP 28,800 CUP 28,800 CUP 29,400 CUP 28,800 CUP 28,800 CUP 28,800 CUP 26,100 CUP 26,100 CUP	Grs. 32.0 35.0 35.5 37.0 38.0 39.0 40.5 30.5 33.8 35.5 36.6 37.0 38.5 39.5 35.3 36.0C 38.3C 29.0 32.5	Maximum I Velocity 2,172 fps 2,104 fps 2,034 fps 2,074 fps 2,150 fps 2,150 fps 2,232 fps 2,196 fps 1,984 fps 1,987 fps 1,997 fps 2,110 fps 2,139 fps 1,932 fps 1,932 fps 1,959 fps 1,963 fps 1,867 fps 1,870 fps	Pressure 33,000 CUP 33,100 CUP 32,300 CUP 33,900 CUP
35 Remington Bullet 180 GR. SPR FN 180 GR. SPR FN 200 GR. HDY RN 200 GR. HDY RN 200 GR. HDY FTX	AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206 AR2206H AR2208 AR2219 Bench Mark 2 Bench Mark 8208 AR2206 AR2219 Bench Mark 8208 AR2206H AR2208 Bench Mark 8208 AR2207 AR2219 Bench Mark 2	.358" .358"	2.470" 2.470" 2.470" 2.470"	Twist: 1 Primer: Grs. 28.0 31.0 32.5 33.0 35.0 37.0 27.0 31.0 32.5 33.0 34.0 35.0 36.0 36.0 33.2 33.8 36.0 29.0 31.0	Remington 9 Start load Velocity 1,971 fps 1,901 fps 1,865 fps 1,990 fps 1,991 fps 1,972 fps 1,816 fps 1,866 fps 1,847 fps 1,845 fps 1,966 fps 1,966 fps 1,839 fps 1,845 fps 1,1990 fps 1,966 fps 1,799 fps 1,845 fps 1,744 fps 1,692 fps	28,600 CUP 28,200 CUP 29,300 CUP 30,900 CUP 27,500 CUP 27,200 CUP 26,700 CUP 28,500 CUP 29,400 CUP 29,400 CUP 28,800 CUP 28,800 CUP 28,800 CUP 30,000 CUP 29,800 CUP 30,400 CUP 30,400 CUP 30,400 CUP 26,100 CUP	Grs. 32.0 35.0 35.5 37.0 38.0 39.0 40.5 30.5 33.8 35.5 36.6 37.0 38.5 39.5 35.3 36.0C 38.3C 29.0 32.5 34.0	Maximum I Velocity 2,172 fps 2,104 fps 2,034 fps 2,074 fps 2,150 fps 2,150 fps 2,196 fps 1,999 fps 1,987 fps 1,984 fps 1,997 fps 2,110 fps 2,110 fps 2,139 fps 1,932 fps 1,959 fps 1,963 fps 1,865 fps 1,865 fps	Pressure 33,000 CUP 32,300 CUP 33,900 CUP
35 Remington Bullet 180 GR. SPR FN 180 GR. SPR FN 200 GR. HDY RN 200 GR. HDY RN 200 GR. HDY FTX 220 GR. SPR FN	AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206 AR2206H AR2208 AR2207 AR2219 Bench Mark 2 Bench Mark 8208 AR2206 AR2206H AR2208 AR2206H AR2208 Bench Mark 8208 AR2206H AR2208 Bench Mark 8208 AR2206H AR2208 Bench Mark 8208 AR2207 AR2219 Bench Mark 2 Bench Mark 2	358" 358" 358" - 358" 358" 358" 358" 358" 358" 358" 358"	2.470" 2.470" 2.470" 2.470"	Twist: 1 Primer: Grs. 28.0 31.0 32.5 33.0 35.0 37.0 27.0 31.0 32.5 33.0 36.0 35.0 36.0 36.0 36.0 36.0 36.0 31.0 31.0 31.0	Remington 9 Start load Velocity 1,971 fps 1,901 fps 1,865 fps 1,915 fps 1,990 fps 1,991 fps 1,816 fps 1,866 fps 1,847 fps 1,847 fps 1,845 fps 1,920 fps 1,966 fps 1,799 fps 1,845 fps 1,799 fps 1,845 fps 1,799 fps 1,692 fps 1,692 fps 1,679 fps 1,679 fps	28,600 CUP 28,200 CUP 29,300 CUP 30,900 CUP 27,500 CUP 27,200 CUP 26,700 CUP 28,500 CUP 29,400 CUP 29,400 CUP 28,800 CUP 28,800 CUP 28,800 CUP 30,000 CUP 29,800 CUP 30,400 CUP 30,400 CUP 30,400 CUP 26,100 CUP	Grs. 32.0 35.0 35.5 37.0 38.0 39.0 40.5 30.5 33.8 35.5 36.6 37.0 38.5 39.5 35.3 36.0C 38.3C 29.0 32.5 34.0	Maximum I Velocity 2,172 fps 2,104 fps 2,034 fps 2,074 fps 2,150 fps 2,232 fps 2,196 fps 1,999 fps 1,987 fps 1,984 fps 2,010 fps 2,110 fps 2,139 fps 1,932 fps 1,959 fps 1,867 fps 1,865 fps 1,932 fps	Pressure 33,000 CUP 32,300 CUP 33,900 CUP

				Case: V	Vinchester			ength: 20"	
356 Winchester				Twist: 1	:12"		Trim len	gth: 2.005"	
				Primer:	Winchester L	R			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
180 GR. SPR FP	AR2205	.358"	2.565"	24.0	1,878 fps	-	30.0	2,238 fps	-
	AR2207	.358"	2.565"	40.0	2,441 fps	-	43.0	2,600 fps	-
	AR2219	.358"	2.565"	44.0	2,360 fps	-	47.0	2,552 fps	-
	AR2206H	.358"	2.565"	46.0	2,360 fps	-	49.0	2,535 fps	-
200 GR. SIE RN	AR2207	.358"	2.550"	37.0	2,201 fps	-	40.0	2,383 fps	-
	AR2219	.358"	2.550"	41.0	2,199 fps	-	44.0	2,340 fps	-
	AR2206H	.358"	2.550"	43.0	2,170 fps	-	46.0	2,338 fps	-
250 GR. HDY RN	AR2207	.358"	2.775"	34.0	1,879 fps	-	37.0	2,133 fps	-
	AR2219	.358"	2.775"	38.0	1,866 fps	-	41.0	2,106 fps	-
	AR2206H	.358"	2.775"	40.0	1,919 fps	-	43.0	2,128 fps	-
				Case: \/	Vinchester		Rarrel le	ength: 26"	
250 Minchester				Twist: 1				gth: 2.005"	
358 Winchester						D		9u i. 2.000	
				Fillier.	Winchester L		1		
5 " (D # 4 D:	001		Start loa	1		Maximum I	ı
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
180 GR. BAR X	AR2219	.358"	2.700"	40.0	2,380 fps	46,900 CUP	44.0	2,522 fps	49,700 CUF
	Bench Mark 2	.358"	2.700"	43.0	2,419 fps	44,900 CUP	47.0	2,574 fps	50,300 CUF
	AR2206H	.358"	2.700"	44.0	2,408 fps	41,500 CUP	48.0C	2,603 fps	49,900 CUF
000 OD UDV OD	AR2208	.358"	2.700"	47.0	2,442 fps	42,500 CUP	51.0C	2,594 fps	48,200 CUF
200 GR. HDY SP	AR2219	.358"	2.650"	40.0	2,306 fps	45,400 CUP	44.8	2,491 fps	49,400 CUF
	Bench Mark 2	.358"	2.650"	42.0	2,319 fps	42,700 CUP	46.2	2,494 fps	50,000 CUF
	AR2206H	.358"	2.650"	44.0	2,316 fps	40,200 CUP	48.0C	2,519 fps	49,800 CUF
	AR2208	.358"	2.650"	47.0	2,376 fps	41,100 CUP	51.0C	2,527 fps	47,900 CUF
220 GR. SPR FN SP	AR2219	.358"	2.560"	40.0	2,243 fps	45,700 CUP	44.0	2,371 fps	49,300 CUF
	Bench Mark 2	.358"	2.560"	41.0	2,184 fps	39,400 CUP	45.0	2,361 fps	49,500 CUF
	AR2206H	.358"	2.560"	43.0	2,227 fps	41,500 CUP	47.5C	2,421 fps	50,200 CUF
	AR2208	.358"	2.560"	46.0	2,226 fps	42,800 CUP	50.0C	2,445 fps	50,300 CUF
225 GR. SIE BTSP	AR2219	.358"	2.770"	41.0	2,275 fps	46,000 CUP	43.0	2,372 fps	50,300 CUF
	Bench Mark 2	.358"	2.770"	40.0	2,211 fps	44,200 CUP	44.0	2,354 fps	50,600 CUF
	AR2206H	.358"	2.770"	42.0	2,223 fps	41,700 CUP	46.5	2,422 fps	50,300 CUF
	AR2208	.358"	2.770"	45.0	2,254 fps	40,700 CUP	49.0	2,451 fps	50,600 CUF
250 GR. NOS PART	AR2219	.358"	2.760"	38.0	2,095 fps	43,500 CUP	42.5	2,260 fps	49,900 CUF
	Bench Mark 2	.358"	2.760"	38.0	2,030 fps	39,800 CUP	42.0	2,176 fps	49,400 CUF
	AR2206H	.358"	2.760"	40.0	2,057 fps	40,400 CUP	44.5C	2,257 fps	50,500 CUF
	AR2208	.358"	2.760"	43.0	2,119 fps	39,500 CUP	47.0C	2,278 fps	48,600 CUP

35 Whelen				Case: Remington Twist: 1:16"			Barrel length: 24" Trim length: 2.484"				
				Start loads			Maximum loads				
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure		
180 GR. SPR FP	AR2219	.358"	3.045"	55.0	2,707 fps	44,000 CUP	58.0	2,829 fps	48,500 CUP		
	Bench Mark 8208	.358"	3.040"	56.0	2,736 fps	42,600 CUP	60.0C	2,891 fps	47,500 CUP		
180 GR.	AR2206	-	-	55.5	2,640 fps	-	58.5	2,785 fps	-		
180 GR. SPR FP	AR2206H	.358"	3.045"	56.0	2,649 fps	40,000 CUP	60.0	2,798 fps	46,800 CUP		
	AR2208	.358"	3.045"	54.0	2,609 fps	39,900 CUP	60.0C	2,764 fps	42,500 CUP		
200 GR. SIE RN	AR2219	.358"	3.050"	52.0	2,540 fps	42,600 CUP	56.0	2,691 fps	48,500 CUP		
	Bench Mark 8208	.358"	3.050"	53.0	2,579 fps	41,300 CUP	59.0C	2,802 fps	48,900 CUP		
200 GR.	AR2206	-	-	52.5	2,545 fps	-	56.5	2,725 fps	-		
200 GR. SIE RN	AR2206H	.358"	3.050"	54.0	2,544 fps	43,500 CUP	57.0	2,689 fps	49,000 CUP		
	AR2208	.358"	3.050"	52.0	2,508 fps	40,400 CUP	57.0	2,653 fps	42,300 CUP		
220 GR. SPR FP	AR2219	.358"	3.045"	50.0	2,392 fps	43,500 CUP	54.0	2,566 fps	49,500 CUP		
	Bench Mark 8208	.358"	3.045"	49.5	2,397 fps	42,600 CUP	55.0	2,623 fps	50,200 CUP		
220 GR.	AR2206	-	-	50.5	2,400 fps	-	54.5	2,580 fps	-		
220 GR. SPR FP	AR2206H	.358"	3.045"	51.0	2,461 fps	44,000 CUP	55.0	2,588 fps	50,000 CUP		
225 GR. SIE SBT	Bench Mark 8208	.358"	3.175"	49.5	2,409 fps	40,500 CUP	55.0C	2,618 fps	49,600 CUP		
	AR2206H	.358"	3.175"	49.5	2,404 fps	40,900 CUP	55.0C	2,611 fps	49,200 CUP		
	AR2208	.358"	3.175"	51.0	2,442 fps	43,500 CUP	56.0	2,588 fps	46,400 CUP		
250 GR. HDY SP	AR2219	.358"	3.220"	48.0	2,249 fps	44,000 CUP	52.0	2,398 fps	48,500 CUP		
	Bench Mark 8208	.358"	3.290"	49.0	2,311 fps	44,000 CUP	54.3C	2,515 fps	50,300 CUP		
250 GR.	AR2206	-	-	48.0	2,260 fps	-	52.0	2,450 fps	-		
250 GR. HDY SP	AR2206H	.358"	3.220"	49.0	2,330 fps	43,700 CUP	53.0	2,455 fps	50,000 CUP		
	AR2208	.358"	3.220"	50.0	2,348 fps	44,900 CUP	55.0	2,486 fps	49,900 CUP		

350 Remington Magnum

Case: Remington
Twist: 1:16"

Barrel length: 26"
Trim length: 2.160"

Primer: Remington 9 1/2

				Time: Namington 5 1/2					
				Start loads			Maximum loads		
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
180 GR. SPR FP	AR2207	.358"	2.740"	48.0	2,622 fps	35,400 CUP	51.0	2,808 fps	48,000 CUP
	AR2219	.358"	2.740"	53.0	2,688 fps	43,000 CUP	58.0	2,894 fps	50,300 CUP
180 GR.	AR2206	-	-	54.0	2,640 fps	-	59.0	2,960 fps	-
180 GR. SPR FP	AR2206H	.358"	2.740"	56.0	2,696 fps	39,000 CUP	61.0	3,015 fps	52,300 CUP
200 GR. HDY SP	AR2207	.358"	2.740"	45.0	2,382 fps	34,200 CUP	48.0	2,512 fps	44,100 CUP
	AR2219	.358"	2.740"	50.0	2,427 fps	39,700 CUP	55.0	2,684 fps	49,300 CUP
200 GR.	AR2206	-	-	52.0	2,565 fps	-	56.0	2,795 fps	-
200 GR. HDY SP	AR2206H	.358"	2.740"	54.5	2,625 fps	37,800 CUP	59.0	2,822 fps	52,100 CUP
220 GR. SPR FP	AR2207	.358"	2.740"	43.0	2,304 fps	36,600 CUP	46.0	2,423 fps	48,500 CUP
	AR2219	.358"	2.740"	48.0	2,293 fps	39,200 CUP	52.0	2,473 fps	49,300 CUP
220 GR.	AR2206	-	-	50.0	2,417 fps	-	54.0	2,610 fps	-
220 GR. SPR FP	AR2206H	.358"	2.740"	51.5	2,534 fps	37,200 CUP	56.0	2,651 fps	51,200 CUP
250 GR. HDY SP	AR2207	.358"	2.930"	39.0	2,069 fps	34,800 CUP	42.0	2,190 fps	45,900 CUP
	AR2219	.358"	2.930"	45.0	2,092 fps	42,000 CUP	49.0	2,333 fps	51,600 CUP
250 GR.	AR2206	-	-	49.0	2,220 fps	-	52.5	2,450 fps	-
250 GR. HDY SP	AR2206H	.358"	2.930"	49.5	2,225 fps	37,800 CUP	54.0	2,497 fps	53,200 CUP

				Case: N	loma		Barrel le	ength: 24"	
358 Norma Magnui	m			Twist: 1	I:16 "		Trim len	gth: 2.498"	
ooo i toillia illagiia.	••			Primer:	Federal 215				
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
180 GR. SPR FP	AR2209	.358"	3.340"	75.0	2,894 fps	-	79.0	3,017 fps	-
200 GR. HDY SP	AR2209	.358"	3.140"	74.0	2,852 fps	-	78.0	2,984 fps	-
250 GR. NOS PART	AR2206H	.358"	3.300"	61.0	2,544 fps	-	65.0	2,736 fps	-
	AR2209	.358"	3.300"	71.0	2,634 fps	-	75.0	2,778 fps	-
				Casa: [Domeiro esta va		Domella	worths Odl	
				Twist: 1	Remington			ength: 24" egth: 2.845"	
358 Shooting Time	s Alaskan						i rim ien	igui: 2.040	
				Primer:	Federal 215		1		
		T	1		Start load	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
225 GR. NOS PART	AR2209	.358"	3.670"	82.0	2,951 fps	-	87.0	3,119 fps	-
250 GR. NOS PART	AR2209	.358"	3.670"	79.0	2,688 fps	-	84.0	2,933 fps	-
	AR2213SC	.358"	3.670"	85.0	2,720 fps	-	90.0	2,984 fps	-
	AR2217	.358"	3.670"	85.0	2,740 fps	-	90.0	2,810 fps	-
9 x 57mm Mauser				Twist: - Primer:			Trim len	igun: -	
					Start load	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Start load	ds Pressure	Grs.	Maximum l	oads Pressure
	Powder AR2206	Bullet Diam.	C.O.L.	Grs.	1	 I	Grs. 45.0		
Bullet 250 GR.		Bullet Diam.	C.O.L	Grs.	1	 I		Velocity	
250 GR.	AR2206	Bullet Diam. - - -	C.O.L.	Grs	1	 I	45.0	Velocity 2,250 fps	
250 GR.	AR2206 AR2208	-	-	Grs	Velocity -	Pressure - -	45.0 49.0	Velocity 2,250 fps 2,250 fps	Pressure -
Bullet 250 GR. 280 GR.	AR2206 AR2208 AR2206	-	-	Grs Case: N	Velocity	Pressure - -	45.0 49.0 41.5 45.0	Velocity 2,250 fps 2,250 fps 2,100 fps 2,100 fps	Pressure - -
250 GR. 280 GR.	AR2206 AR2208 AR2206 AR2208	-	-	-	Velocity lorma	Pressure - -	45.0 49.0 41.5 45.0	Velocity 2,250 fps 2,250 fps 2,100 fps 2,100 fps ength: 24"	Pressure - -
250 GR.	AR2206 AR2208 AR2206 AR2208	-	-	Case: N	Velocity loma 1:10"	Pressure - -	45.0 49.0 41.5 45.0	Velocity 2,250 fps 2,250 fps 2,100 fps 2,100 fps	Pressure - -
250 GR. 280 GR.	AR2206 AR2208 AR2206 AR2208	-	-	Case: N	Velocity Norma 1:10" CCI 200	Pressure	45.0 49.0 41.5 45.0	Velocity 2,250 fps 2,250 fps 2,100 fps 2,100 fps ength: 24" egth: 2.431"	Pressure
250 GR. 280 GR. 9.3 x 62mm Mause	AR2206 AR2208 AR2206 AR2208			Case: N Twist: 1 Primer:	Velocity loma 1:10" CCI 200 Start loar	Pressure ds	45.0 49.0 41.5 45.0 Barrel le	Velocity 2,250 fps 2,250 fps 2,100 fps 2,100 fps ength: 24" gth: 2.431"	Pressure oads
250 GR. 280 GR. 9.3 x 62mm Mause Bullet	AR2206 AR2208 AR2206 AR2208	Bullet Diam.	- - -	- Case: N Twist: 1 Primer:	Velocity Norma 1:10" CCI 200 Start load Velocity	Pressure	45.0 49.0 41.5 45.0 Barrel le Trim len	Velocity 2,250 fps 2,250 fps 2,100 fps 2,100 fps ength: 24" gth: 2.431" Maximum I	Pressure
250 GR. 280 GR. 9.3 x 62mm Mause	AR2206 AR2208 AR2206 AR2208 Powder AR2206H		- - - - - - C.O.L. 3.200"	Case: N Twist: 1 Primer:	Velocity Norma 1:10" CCI 200 Start load Velocity 2,221 fps	Pressure ds Pressure 37,000 CUP	45.0 49.0 41.5 45.0 Barrel le Trim len	Velocity 2,250 fps 2,250 fps 2,100 fps 2,100 fps 2,100 fps ength: 24" egth: 2.431" Maximum I Velocity 2,484 fps	Pressure
250 GR. 280 GR. 9.3 x 62mm Mause Bullet 250 GR. BAR TSX	AR2206 AR2208 AR2206 AR2208 Powder AR2206H AR2208		- - - - - - - 3.200" 3.200"		Velocity	Pressure ds Pressure 37,000 CUP 33,900 CUP	45.0 49.0 41.5 45.0 Barrel le Trim len Grs. 57.0C	Velocity 2,250 fps 2,250 fps 2,100 fps 2,100 fps 2,100 fps 4,100 f	Pressure
250 GR. 280 GR. 9.3 x 62mm Mause Bullet 250 GR. BAR TSX	AR2206 AR2208 AR2206 AR2208 Powder AR2206H AR2208			- Case: N Twist: 1 Primer: Grs. 51.0 52.0	Velocity Norma 1:10" CCI 200 Start load Velocity 2,221 fps 2,199 fps 2,244 fps	Pressure	45.0 49.0 41.5 45.0 Barrel le Trim len 57.0C 58.0C 56.5	Velocity 2,250 fps 2,250 fps 2,100 fps 2,100 fps ength: 24" gth: 2.431" Maximum I Velocity 2,484 fps 2,436 fps 2,406 fps	Pressure
250 GR. 280 GR. 9.3 x 62mm Mause Bullet 250 GR. BAR TSX	AR2206 AR2208 AR2206 AR2208 Powder AR2206H AR2208 AR2206H AR2208 AR2206H AR2208			- Case: N Twist: 1 Primer: Grs. 51.0 52.0 52.0	Velocity Norma ::10" CCI 200 Start load Velocity 2,221 fps 2,199 fps 2,244 fps 2,290 fps	Pressure	45.0 49.0 41.5 45.0 Barrel le Trim len 57.0C 58.0C 56.5	Velocity 2,250 fps 2,250 fps 2,100 fps 2,100 fps ength: 24" egth: 2.431" Maximum I Velocity 2,484 fps 2,436 fps 2,406 fps 2,440 fps	Pressure
250 GR. 280 GR. 9.3 x 62mm Mause Bullet 250 GR. BAR TSX 270 GR. SPR SP	AR2206 AR2208 AR2206 AR2208 Powder AR2206H AR2208 AR2208 AR2206H AR2208 AR2208 AR2209	- - - - - - - - - - - - - - - - - - -		- Case: N Twist: 1 Primer: Grs. 51.0 52.0 52.0 55.0 63.0	Velocity	Pressure 37,000 CUP 39,800 CUP 40,100 CUP 38,500 CUP	45.0 49.0 41.5 45.0 Barrel le Trim len 57.0C 58.0C 56.5 59.5 67.0C	Velocity 2,250 fps 2,250 fps 2,100 fps 2,100 fps 2,100 fps ength: 24" gth: 2.431" Maximum I Velocity 2,484 fps 2,436 fps 2,406 fps 2,440 fps 2,438 fps	Pressure 48,700 CUI 48,000 CUI 48,100 CUI 44,600 CUI
250 GR. 280 GR. 9.3 x 62mm Mause Bullet 250 GR. BAR TSX 270 GR. SPR SP	AR2206 AR2208 AR2206 AR2208 Powder AR2206H AR2208 AR2206H AR2208 AR2208 AR2209 AR2206H			- Case: N Twist: 1 Primer: 51.0 52.0 52.0 55.0 63.0	Velocity Norma 1:10" CCI 200 Start load Velocity 2,221 fps 2,199 fps 2,244 fps 2,290 fps 2,322 fps 2,131 fps	Pressure	45.0 49.0 41.5 45.0 Barrel le Trim len 57.0C 58.0C 56.5 59.5 67.0C	Velocity 2,250 fps 2,250 fps 2,100 fps 2,100 fps 2,100 fps ength: 24" gth: 2.431" Maximum I Velocity 2,484 fps 2,436 fps 2,406 fps 2,440 fps 2,438 fps 2,331 fps	Pressure
250 GR. 280 GR. 9.3 x 62mm Mause Bullet 250 GR. BAR TSX 270 GR. SPR SP	AR2206 AR2208 AR2208 AR2208 Powder AR2206H AR2208 AR2206H AR2208 AR2206H AR2208 AR2208 AR2208 AR2209 AR2206H AR2208			- Case: N Twist: 1 Primer: Grs. 51.0 52.0 52.0 55.0 63.0 51.0 55.0	Velocity	Pressure	45.0 49.0 41.5 45.0 Barrel le Trim len 57.0C 58.0C 56.5 59.5 67.0C 55.5 59.0C	Velocity 2,250 fps 2,250 fps 2,100 fps 2,100 fps 2,100 fps ength: 24" egth: 2.431" Maximum I Velocity 2,484 fps 2,436 fps 2,406 fps 2,440 fps 2,438 fps 2,331 fps 2,350 fps	Pressure
250 GR. 280 GR. 9.3 x 62mm Mause Bullet 250 GR. BAR TSX 270 GR. SPR SP	AR2206 AR2208 AR2208 AR2208 AR2208 AR2208 Powder AR2206H AR2208 AR2206H AR2208 AR2206H AR2208 AR2209 AR2206H AR2209 AR2206H AR2208			- Case: N Twist: 1 Primer: Grs. 51.0 52.0 55.0 63.0 51.0 55.0 64.0	Velocity	Pressure	45.0 49.0 41.5 45.0 Barrel le Trim len 57.0C 58.0C 56.5 59.5 67.0C 55.5 59.0C	Velocity 2,250 fps 2,250 fps 2,100 fps 2,100 fps 2,100 fps 2,100 fps 2,100 fps 2,431" Maximum I Velocity 2,484 fps 2,436 fps 2,406 fps 2,440 fps 2,438 fps 2,331 fps 2,350 fps 2,407 fps	Pressure
250 GR. 280 GR.	AR2206 AR2208 AR2208 AR2208 Powder AR2206H AR2208 AR2206H AR2208 AR2206H AR2208 AR2208 AR2208 AR2209 AR2206H AR2208			- Case: N Twist: 1 Primer: Grs. 51.0 52.0 52.0 55.0 63.0 51.0 55.0	Velocity	Pressure	45.0 49.0 41.5 45.0 Barrel le Trim len 57.0C 58.0C 56.5 59.5 67.0C 55.5 59.0C	Velocity 2,250 fps 2,250 fps 2,100 fps 2,100 fps 2,100 fps ength: 24" egth: 2.431" Maximum I Velocity 2,484 fps 2,436 fps 2,406 fps 2,440 fps 2,438 fps 2,331 fps 2,350 fps	Pressure

				Case:			Barrel le	ength: 26"	
9.3 x 64mm Brenne	cke			Twist: -			Trim ler	igth: -	
				Primer:					
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
231-234 GR.	AR2208	-	-	-	-	-	68.0	2,700 fps	-
	AR2209	-	-	-	-	-	73.0	2,700 fps	-
258 GR.	AR2208	-	-	-	-	-	66.5	2,500 fps	-
	AR2209	-	-	-	-	-	70.5	2,500 fps	-
285-286 GR.	AR2208	-	-	-	-	-	63.0	2,300 fps	-
	AR2209	-	-	-	-	-	67.5	2,300 fps	-
293 GR.	AR2208	-	-	-	-	-	62.0	2,250 fps	-
	AR2209	-	-	-	-	-	67.0	2,250 fps	-
	<u> </u>	_	'	Case: N	loma		Rarrol le	ength: 24"	
0.0 · · 74D····				Twist: 1				ngth: 2.931"	
9.3 x 74Rmm							IIIIII ICI	igui. 2.901	
				Primer:	CCI 200		T		
	T	T			Start loa	1		Maximum I	1
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
250 GR. BAR TSX FB	AR2206H	.366"	3.700"	44.0	2,033 fps	39,000 CUP	48.0	2,155 fps	42,300 CUP
	AR2208	.366"	3.700"	48.0	2,096 fps	39,000 CUP	52.0	2,211 fps	42,400 CUP
	AR2209	.366"	3.700"	59.0	2,150 fps	37,100 CUP	64.5C	2,330 fps	41,800 CUP
270 GR. SPR SP	AR2208	.366"	3.665"	50.0	2,107 fps	36,500 CUP	54.5	2,257 fps	42,000 CUP
	AR2209	.366"	3.665"	64.0	2,292 fps	36,200 CUP	68.0C	2,403 fps	41,600 CUP
286 GR. NOS PART	AR2208	.366"	3.700"	51.0	2,125 fps	38,200 CUP	54.0	2,200 fps	41,800 CUP
	AR2209	.366"	3.700"	61.5	2,211 fps	36,800 CUP	65.5C	2,323 fps	41,500 CUP
	AR2213SC	.366"	3.700"	66.0	2,119 fps	33,400 CUP	70.0C	2,232 fps	36,800 CUP
300 GR. SFT SP	AR2209	.366"	3.640"	58.0	2,111 fps	38,900 CUP	62.0C	2,210 fps	42,100 CUP
	AR2213SC	.366"	3.640"	61.0	1,939 fps	31,900 CUP	67.0C	2,128 fps	40,400 CUP
				Case: V	Vinchester		Barrel le	ength: 24"	
38-55 Winchester				Twist: 1	:18"		Trim ler	ngth: 2.075"	
				Primer:	CCI 200				
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
255 GR. BAR JFP	AR2207	.375"	2.620"	24.0	1,554 fps	21,400 CUP	28.0	1,788 fps	26,700 CUP
	AR2219	.375"	2.620"	27.0	1,603 fps	25,500 CUP	33.0	1,830 fps	28,200 CUP
	•	•		Casa: \/	Vinchester		Barrol le	ength: 24"	
				Twist: 1				ngth: 2.010"	
375 Winchester						D	IIIIII ICI	igui. 2.010	
				Primer:	Winchester L				
	Т	T =			Start loa			Maximum I	1
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
200 GR. SIE JFP	AR2207	.375"	2.530"	35.0	2,288 fps	36,900 CUP	38.0C	2,480 fps	50,600 CUP
	AR2219	.375"	2.530"	39.0	2,223 fps	35,300 CUP	42.0C	2,419 fps	46,900 CUP
220 GR. HDY JFP	AR2207	.375"	2.500"	31.0	2,067 fps	33,700 CUP	34.0	2,233 fps	49,300 CUP
	AR2219	.375"	2.500"	35.0	2,029 fps	35,700 CUP	38.5C	2,236 fps	48,900 CUP

				Case: ⊢	lomady		Barrel le	ength: 24"	
376 Steyr				Twist: 1	:12"		Trim len	igth: 2.350"	
				Primer:	Federal 215N	1			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
210 GR. BAR XFB	AR2219	.375"	3.100"	63.0	2,864 fps	50,900 PSI	67.5	3,011 fps	59,800 PSI
	Bench Mark 2	.375"	3.100"	63.0	2,774 fps	45,000 PSI	68.0	2,943 fps	54,000 PSI
	AR2206H	.375"	3.100"	64.0	2,765 fps	45,200 PSI	68.0C	2,891 fps	50,600 PSI
	AR2208	.375"	3.100"	65.0	2,668 fps	40,800 PSI	68.0C	2,764 fps	44,800 PSI
225 GR. HDY SP	AR2219	.375"	3.070"	58.0	2,704 fps	53,100 PSI	63.0	2,839 fps	59,900 PSI
	Bench Mark 2	.375"	3.070"	62.0	2,730 fps	50,600 PSI	67.0C	2,890 fps	59,700 PSI
	AR2206H	.375"	3.070"	64.0	2,767 fps	51,000 PSI	68.0C	2,892 fps	58,200 PSI
	AR2208	.375"	3.070"	64.0	2,628 fps	45,600 PSI	68.0C	2,767 fps	52,400 PSI
235 GR. SPR SP	AR2219	.375"	3.060"	59.0	2,709 fps	58,000 PSI	63.0	2,795 fps	59,900 PSI
	Bench Mark 2	.375"	3.060"	62.0	2,689 fps	50,900 PSI	66.5	2,835 fps	59,900 PSI
	AR2206H	.375"	3.060"	64.0	2,708 fps	50,100 PSI	68.0C	2,846 fps	59,000 PSI
	AR2208	.375"	3.060"	64.0	2,618 fps	47,200 PSI	68.0C	2,735 fps	52,300 PSI
250 GR. SIE SP	AR2219	.375"	3.110"	56.0	2,570 fps	55,700 PSI	60.5	2,683 fps	60,100 PSI
	Bench Mark 2	.375"	3.110"	59.0	2,573 fps	51,200 PSI	63.5	2,714 fps	60,100 PSI
	AR2206H	.375"	3.110"	60.0	2,582 fps	48,600 PSI	65.0	2,732 fps	59,800 PSI
	AR2208	.375"	3.110"	64.0	2,589 fps	51,200 PSI	68.0C	2,713 fps	58,000 PSI
260 GR. NOS PART	AR2219	.375"	3.100"	52.0	2,405 fps	54,900 PSI	56.0	2,511 fps	60,200 PSI
	Bench Mark 2	.375"	3.100"	57.0	2,453 fps	51,400 PSI	60.5	2,584 fps	59,700 PSI
	AR2206H	.375"	3.100"	59.0	2,500 fps	53,800 PSI	62.5	2,613 fps	59,400 PSI
	AR2208	.375"	3.100"	62.0	2,466 fps	49,100 PSI	67.5C	2,651 fps	60,000 PSI
270 GR. HDY SP	AR2219	.375"	3.060"	53.0	2,382 fps	50,800 PSI	57.0	2,517 fps	59,600 PSI
	Bench Mark 2	.375"	3.060"	55.0	2,400 fps	50,500 PSI	59.0	2,549 fps	59,500 PSI
	AR2206H	.375"	3.060"	58.0	2,459 fps	52,700 PSI	62.0C	2,580 fps	59,400 PSI
	AR2208	.375"	3.060"	61.0	2,446 fps	50,000 PSI	65.5C	2,610 fps	60,100 PSI
300 GR. SFT SP	AR2219	.375"	3.080"	52.0	2,236 fps	53,600 PSI	55.0	2,322 fps	60,000 PSI
300 0.4 0. 1 0.	Bench Mark 2	.375"	3.080"	52.0	2,176 fps	49,000 PSI	56.5	2,343 fps	59,900 PSI
	AR2206H	.375"	3.080"	55.0	2,248 fps	51,900 PSI	59.5	2,388 fps	60,200 PSI
	AR2208	.375"	3.080"	58.0	2,255 fps	50,000 PSI	62.5C		59,700 PSI
	7 11 (2200	.070	0.000			00,0001 01		•	00,7001 01
				Case: V	Vinchester			ength: 24"	
375 H & H Magnum	1			Twist: 1	:12"		Trim len	igth: 2.840"	
				Primer:	Federal 215N	1			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
200 GR. SIE JFP	Bench Mark 8208	.375"	3.350"	69.0	2,910 fps	47,700 CUP	75.5	3,079 fps	50,200 CUP
	AR2206H	.375"	3.350"	67.0	2,828 fps	42,300 CUP	78.5	3,116 fps	48,700 CUP
	AR2208	.375"	3.350"	65.0	2,839 fps	41,900 CUP	76.0	3,121 fps	50,300 CUP
235 GR. SPR SP	Trail Boss	.375"	3.600"	19.0	1,091 fps	-	26.3	1,144 fps	-
	Bench Mark 8208	.375"	3.600"	61.0	2,632 fps	45,400 CUP	67.0	2,793 fps	50,900 CUP
	AR2206H	.375"	3.600"	69.0	2,743 fps	44,300 CUP	74.0	2,895 fps	50,400 CUP
	AR2208	.375"	3.600"	65.0	2,684 fps	46,700 CUP	70.0	2,819 fps	51,200 CUP
250 GR. SFT SP	Bench Mark 8208	.375"	3.555"	58.0	2,500 fps	45,600 CUP	62.2	2,609 fps	49,900 CUP
	AR2206H	.375"	3.555"	64.0	2,574 fps	44,800 CUP	69.0	2,696 fps	49,700 CUP
	AR2208	.375"	3.555"	62.0	2,531 fps	43,900 CUP	66.5	2,642 fps	49,700 CUP
	AR2209	.375"	3.555"	78.0	2,620 fps	41,500 CUP	83.0C	2,733 fps	44,900 CUP
260 GR. NOS PART	AR2209	.375"	3.580"	70.0	2,551 fps	47,300 CUP	78.0	2,702 fps	51,700 CUP
200 OK. NOO FAIN	AI VEZOO	.010	0.000	70.0	2,551 1μ3	47,000 COF	70.0	2,102 103	31,700 COF

				Case: W	/inchester		Barrel le	ngth: 24"	
375 H & H Magnum				Twist: 1	:12"		Trim len	gth: 2.840"	
_				Primer:	Federal 215N	1			
					Start load	ds		Maximum l	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
	AR2213SC	.375"	3.580"	76.0	2,470 fps	43,700 CUP	83.0C	2,622 fps	47,800 CUP
270 GR. BAR TSX	AR2208	.375"	3.550"	58.0	2,369 fps	46,400 CUP	65.0	2,521 fps	50,000 CUP
	AR2209	.375"	3.550"	69.0	2,263 fps	38,300 CUP	75.0C	2,465 fps	42,800 CUP
300 GR. SIE SPBT	AR2206H	.375"	3.600"	61.0	2,411 fps	46,800 CUP	65.0	2,505 fps	50,400 CUP
	AR2208	.375"	3.600"	58.0	2,345 fps	45,200 CUP	62.0	2,454 fps	49,300 CUP
	AR2209	.375"	3.600"	77.0	2,539 fps	45,400 CUP	81.5C	2,645 fps	49,500 CUP
				Case: H	omady		Barrel le	ngth: 24"	
375 Ruger				Twist: 1	:12"			gth: 2.580"	
or or rago.				Primer:	Winchester LI	RM			
				1 1111011	Start load			Maximum le	nade
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
235 GR. BAR TSX	AR2206H	.375"	3.280"	66.7	2,768 fps	52,800 PSI	71.0	2,882 fps	58,500 PSI
	AR2208	.375"	3.280"	69.1	2,709 fps	48,600 PSI	73.5	2,885 fps	59.600 PSI
250 GR. SFT SP	AR2208	.375"	3.270"	67.7	2,657 fps	53,200 PSI	72.0	2,773 fps	59,000 PSI
	AR2209	.375"	3.270"	77.5	2,675 fps	51,400 PSI	82.5	2,834 fps	59,000 PSI
260 GR. NOS AB	AR2208	.375"	3.320"	67.3	2,618 fps	52,200 PSI	71.6	2,749 fps	59,200 PSI
	AR2209	.375"	3.320"	78.0	2,681 fps	50,800 PSI	83.5C	2,837 fps	60,100 PSI
270 GR. HDY SP	AR2209	.375"	3.310"	78.5	2,614 fps	47,800 PSI	83.5C	2,783 fps	58,400 PSI
300 GR. HDY RN	AR2209	.375"	3.280"	75.9	2,510 fps	48,300 PSI	80.7	2,660 fps	59,600 PSI
	AR2213SC	.375"	3.280"	82.7	2,457 fps	48,100 PSI	88.0C	2,611 fps	57,800 PSI
350 GR. BAR TSX FB	AR2209	.375"	3.295"	62.1	2,142 fps	50,900 PSI	66.9C	2,281 fps	59,200 PSI
	·			Case. M	/eatherby		Barrel le	ngth: 24"	
375 Weatherby Mag	ınım			Twist: 1	•			gth: 2.850"	
3/3 Weatherby Mag	jiidiii			Primer:	Federal 215M	1		J	
					Start load	_		Maximum le	nade
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
210 GR. BAR XFB	AR2206H	.375"	3.585"	69.0	2,824 fps	48,500 CUP	74.0	2,945 fps	53,500 CUP
	AR2208	.375"	3.585"	70.0	2,782 fps	48,700 CUP	75.0	2,900 fps	53,100 CUP
	AR2209	.375"	3.585"	91.0	3,018 fps	49,600 CUP	95.5C	3,110 fps	52,900 CUP
	AR2213SC	.375"	3.585"	95.0	2,862 fps	43,000 CUP	98.0C	2,938 fps	46,100 CUP
225 GR. HDY SP					•	50,300 CUP	73.5	2,896 fps	·
	I AR2206H	.375"	3.585"	69.0	2.789 tos	JU.JUU CUF			53.100 CUP
	AR2206H AR2208	.375"	3.585"	69.0 70.0	2,789 fps 2,713 fps			2,850 fps	53,100 CUP 53,500 CUP
		.375" .375"	3.585" 3.585" 3.585"	69.0 70.0 89.0	2,789 fps 2,713 fps 2,939 fps	47,600 CUP 48,300 CUP	74.5 94.5	2,850 fps 3,070 fps	53,100 CUP 53,500 CUP 53,400 CUP
	AR2208	.375"	3.585"	70.0	2,713 fps	47,600 CUP	74.5	2,850 fps 3,070 fps 2,957 fps	53,500 CUP
235 GR. SPR SP	AR2208 AR2209	.375" .375"	3.585" 3.585"	70.0 89.0	2,713 fps 2,939 fps	47,600 CUP 48,300 CUP	74.5 94.5	3,070 fps	53,500 CUP 53,400 CUP
235 GR. SPR SP	AR2208 AR2209 AR2213SC	.375" .375" .375"	3.585" 3.585" 3.585"	70.0 89.0 96.0	2,713 fps 2,939 fps 2,870 fps	47,600 CUP 48,300 CUP 46,000 CUP	74.5 94.5 99.0C	3,070 fps 2,957 fps 2,834 fps	53,500 CUP 53,400 CUP 49,600 CUP
235 GR. SPR SP	AR2208 AR2209 AR2213SC AR2206H	.375" .375" .375"	3.585" 3.585" 3.585" 3.585"	70.0 89.0 96.0 69.0	2,713 fps 2,939 fps 2,870 fps 2,742 fps	47,600 CUP 48,300 CUP 46,000 CUP 50,700 CUP	74.5 94.5 99.0C 73.3	3,070 fps 2,957 fps	53,500 CUP 53,400 CUP 49,600 CUP 53,100 CUP
235 GR. SPR SP	AR2208 AR2209 AR2213SC AR2206H AR2208	.375" .375" .375" .375" .375"	3.585" 3.585" 3.585" 3.585" 3.585"	70.0 89.0 96.0 69.0 69.0	2,713 fps 2,939 fps 2,870 fps 2,742 fps 2,669 fps	47,600 CUP 48,300 CUP 46,000 CUP 50,700 CUP 47,200 CUP	74.5 94.5 99.0C 73.3 73.5	3,070 fps 2,957 fps 2,834 fps 2,774 fps	53,500 CUP 53,400 CUP 49,600 CUP 53,100 CUP 52,700 CUP
235 GR. SPR SP 250 GR. SIE SPBT	AR2208 AR2209 AR2213SC AR2206H AR2208 AR2209	.375" .375" .375" .375" .375" .375"	3.585" 3.585" 3.585" 3.585" 3.585" 3.585"	70.0 89.0 96.0 69.0 69.0 85.0	2,713 fps 2,939 fps 2,870 fps 2,742 fps 2,669 fps 2,811 fps	47,600 CUP 48,300 CUP 46,000 CUP 50,700 CUP 47,200 CUP 46,400 CUP	74.5 94.5 99.0C 73.3 73.5 90.5	3,070 fps 2,957 fps 2,834 fps 2,774 fps 2,952 fps	53,500 CUP 53,400 CUP 49,600 CUP 53,100 CUP 52,700 CUP 52,600 CUP
	AR2208 AR2209 AR2213SC AR2206H AR2208 AR2209 AR2213SC	.375" .375" .375" .375" .375" .375" .375"	3.585" 3.585" 3.585" 3.585" 3.585" 3.585"	70.0 89.0 96.0 69.0 69.0 85.0 94.0	2,713 fps 2,939 fps 2,870 fps 2,742 fps 2,669 fps 2,811 fps 2,813 fps	47,600 CUP 48,300 CUP 46,000 CUP 50,700 CUP 47,200 CUP 46,400 CUP 45,900 CUP	74.5 94.5 99.0C 73.3 73.5 90.5	3,070 fps 2,957 fps 2,834 fps 2,774 fps 2,952 fps 2,912 fps	53,500 CUP 53,400 CUP 49,600 CUP 53,100 CUP 52,700 CUP 52,600 CUP 50,500 CUP
	AR2208 AR2209 AR2213SC AR2206H AR2208 AR2209 AR2213SC AR2209	.375" .375" .375" .375" .375" .375" .375"	3.585" 3.585" 3.585" 3.585" 3.585" 3.585" 3.585" 3.600"	70.0 89.0 96.0 69.0 69.0 85.0 94.0	2,713 fps 2,939 fps 2,870 fps 2,742 fps 2,669 fps 2,811 fps 2,813 fps 2,765 fps	47,600 CUP 48,300 CUP 46,000 CUP 50,700 CUP 47,200 CUP 46,400 CUP 45,900 CUP 47,600 CUP	74.5 94.5 99.0C 73.3 73.5 90.5 99.0C 88.0	3,070 fps 2,957 fps 2,834 fps 2,774 fps 2,952 fps 2,912 fps 2,873 fps	53,500 CUP 53,400 CUP 49,600 CUP 53,100 CUP 52,700 CUP 52,600 CUP 50,500 CUP 52,300 CUP
250 GR. SIE SPBT	AR2208 AR2209 AR2213SC AR2206H AR2208 AR2209 AR2213SC AR2209 AR2213SC	.375" .375" .375" .375" .375" .375" .375" .375" .375"	3.585" 3.585" 3.585" 3.585" 3.585" 3.585" 3.585" 3.600"	70.0 89.0 96.0 69.0 69.0 85.0 94.0 83.0	2,713 fps 2,939 fps 2,870 fps 2,742 fps 2,669 fps 2,811 fps 2,813 fps 2,765 fps 2,741 fps	47,600 CUP 48,300 CUP 46,000 CUP 50,700 CUP 47,200 CUP 46,400 CUP 45,900 CUP 46,900 CUP	74.5 94.5 99.0C 73.3 73.5 90.5 99.0C 88.0 97.0C	3,070 fps 2,957 fps 2,834 fps 2,774 fps 2,952 fps 2,912 fps 2,873 fps 2,871 fps	53,500 CUP 53,400 CUP 49,600 CUP 53,100 CUP 52,700 CUP 52,600 CUP 50,500 CUP 52,300 CUP
250 GR. SIE SPBT	AR2208 AR2209 AR2213SC AR2206H AR2208 AR2209 AR2213SC AR2209 AR2213SC AR2209 AR2213SC AR2209	.375" .375" .375" .375" .375" .375" .375" .375" .375" .375"	3.585" 3.585" 3.585" 3.585" 3.585" 3.585" 3.600" 3.600" 3.585"	70.0 89.0 96.0 69.0 69.0 85.0 94.0 83.0 91.0	2,713 fps 2,939 fps 2,870 fps 2,742 fps 2,669 fps 2,811 fps 2,813 fps 2,765 fps 2,741 fps 2,724 fps	47,600 CUP 48,300 CUP 46,000 CUP 50,700 CUP 47,200 CUP 46,400 CUP 45,900 CUP 46,900 CUP 50,800 CUP	74.5 94.5 99.0C 73.3 73.5 90.5 99.0C 88.0 97.0C	3,070 fps 2,957 fps 2,834 fps 2,774 fps 2,952 fps 2,912 fps 2,873 fps 2,871 fps 2,818 fps	53,500 CUP 53,400 CUP 49,600 CUP 53,100 CUP 52,700 CUP 52,600 CUP 50,500 CUP 52,300 CUP 52,500 CUP 53,300 CUP
250 GR. SIE SPBT 260 GR. NOS PART	AR2208 AR2209 AR2213SC AR2206H AR2208 AR2209 AR2213SC AR2209 AR2213SC AR2209 AR2213SC AR2209 AR2213SC	.375" .375" .375" .375" .375" .375" .375" .375" .375" .375" .375"	3.585" 3.585" 3.585" 3.585" 3.585" 3.585" 3.600" 3.600" 3.585" 3.585"	70.0 89.0 96.0 69.0 69.0 85.0 94.0 83.0 91.0	2,713 fps 2,939 fps 2,870 fps 2,742 fps 2,669 fps 2,811 fps 2,813 fps 2,765 fps 2,741 fps 2,724 fps 2,692 fps	47,600 CUP 48,300 CUP 46,000 CUP 50,700 CUP 47,200 CUP 46,400 CUP 45,900 CUP 46,900 CUP 50,800 CUP 48,300 CUP	74.5 94.5 99.0C 73.3 73.5 90.5 99.0C 88.0 97.0C 88.0	3,070 fps 2,957 fps 2,834 fps 2,774 fps 2,952 fps 2,912 fps 2,873 fps 2,871 fps 2,818 fps 2,810 fps	53,500 CUP 53,400 CUP 49,600 CUP 53,100 CUP 52,700 CUP 52,600 CUP 50,500 CUP 52,300 CUP 53,300 CUP 53,200 CUP

				Case: V	Veatherby		Barrel le	ength: 24"	
375 Weatherby Ma	anum			Twist: 1	:12"		Trim len	gth: 2.850"	
	g 			Primer:	Federal 215N	1			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
285 GR. SPR GSSP	AR2209	.375"	3.580"	81.0	2,617 fps	49,800 CUP	86.5C	2,734 fps	53,400 CUP
	AR2213SC	.375"	3.580"	89.0	2,605 fps	48,600 CUP	94.5C	2,725 fps	53,600 CUP
300 GR. SFT SP	AR2209	.375"	3.560"	80.0	2,544 fps	49,100 CUP	85.0	2,642 fps	53,500 CUP
	AR2213SC	.375"	3.560"	87.0	2,498 fps	47,500 CUP	93.0C	2,649 fps	54,200 CUP
				Casa: D	Comington		Porrel le	noth: 24"	
				Twist: 1	Remington			ength: 24" gth: 2.840"	
375 Remington Ult	ra Mag						minien	gui. 2.040	
				Primer:	Remington 9	1/2M	1		
			T		Start loa	1		Maximum I	1
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
210 GR. BAR XFB	AR2208	.375"	3.600"	85.0	3,110 fps	54,700 PSI	91.0	3,271 fps	63,100 PSI
	AR2209	.375"	3.600"	96.0	3,078 fps	52,100 PSI	102.5	3,293 fps	63,300 PSI
225 GR. HDY SP	AR2209	.375"	3.560"	95.0	3,027 fps	52,200 PSI	101.0	3,214 fps	62,800 PSI
	AR2213SC	.375"	3.560"	105.0	3,062 fps	56,200 PSI	108.0C	3,137 fps	60,600 PSI
235 GR. SPR SP	AR2209	.375"	3.550"	94.0	3,000 fps	54,600 PSI	100.0	3,163 fps	63,500 PSI
	AR2213SC	.375"	3.550"	102.0	2,957 fps	53,800 PSI	108.0C	3,111 fps	62,800 PSI
250 GR. BAR XFB	AR2209	.375"	3.600"	89.0	2,842 fps	52,800 PSI	94.5	3,010 fps	62,700 PSI
	AR2213SC	.375"	3.600"	98.0	2,850 fps	55,100 PSI	103.0	3,090 fps	62,700 PSI
260 GR. NOS PART	AR2209	.375"	3.570"	88.0	2,819 fps	56,300 PSI	92.5	2,935 fps	62,900 PSI
	AR2213SC	.375"	3.570"	95.0	2,767 fps	54,100 PSI	101.0	2,923 fps	62,900 PSI
270 GR. HDY SP	AR2209	.375"	3.550"	90.0	2,767 fps	52,400 PSI	95.0	2,932 fps	62,600 PSI
	AR2213SC	.375"	3.550"	99.0	2,779 fps	54,200 PSI	104.0C	2,922 fps	62,900 PSI
285 GR. SPR GSSP	AR2209	.375"	3.570"	88.0	2,724 fps	57,500 PSI	92.5	2,836 fps	62,600 PSI
	AR2213SC	.375"	3.570"	96.0	2,706 fps	55,500 PSI	101.0	2,830 fps	62,900 PSI
300 GR. SFT SP	AR2209	.375"	3.550"	85.0	2,598 fps	54,400 PSI	90.0	2,733 fps	62,700 PSI
	AR2213SC	.375"	3.550"	92.0	2,593 fps	54,600 PSI	97.0	2,719 fps	62,500 PSI
	AR2217	.375"	3.550"	103.0	2,628 fps	54,000 PSI	105.0C	2,678 fps	57,600 PSI
				Case: V	Veatherby		Barrel le	ngth: 24"	
378 Weatherby Ma	anum			Twist: 1	:12"		Trim len	gth: 2.850"	
or o trouding in a	9.10.11			Primer:	Federal 215N	1			
					Start loa			Maximum I	nade
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
235 GR. SPR SP	AR2209	.375"	3.645"	102.0	3,003 fps	-	109.0	3,224 fps	-
	AR2213SC	.375"	3.645"	107.0	2,972 fps	-	117.0	3,202 fps	-
270 GR. HDY SP	AR2209	.375"	3.645"	99.0	2,779 fps	_	105.0	3,091 fps	_
0 0.0110101	AR2213SC	.375"	3.645"	105.0	2,779 fps	-	115.0	3,102 fps	-
300 GR. NOS PART	AR2209	.375"	3.680"	95.0	2,724 lps 2,595 fps	_	100.0	2,940 fps	-
JULIAN AND	AR2213SC	.375"	3.680"	102.0	2,624 fps	-	112.0	2,940 lps 2,926 fps	-
	717221000	.575	0.000	102.0	2,027 103	_	112.0	2,020 103	_

				Case:			Dorrol la	ength: 26"	
00 40 14" 4 404				Twist: -			Trim len	-	
38-40 Winchester (38	8-40 WCF)						Hillie	ıguı	
				Primer:					
		T	ı		Start load	1		Maximum I	I
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
130 GR.	AR2205	-	-	-	-	-	28.0	2,000 fps	-
180 GR.	AR2205	-	-	-	-	-	24.5	1,750 fps	-
				Case:			Barrel le	ength: 26"	
404 Jeffery				Twist: -			Trim len	igth: -	
,				Primer:					
					Start load	ds		Maximum I	nads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
400 GR.	AR2206	-	-	-	-	-	63.0	2,100 fps	-
	AR2208	_	_	_	-	_	71.0	2,100 fps	_
	AR2209	_	_	_	-	-	80.0	2,100 fps	-
	7 11 02200								
				Case: H	•			ength: 24"	
405 Winchester				Twist: 1	:14"		Trim len	igth: 2.573"	
				Primer:	Winchester LI	R			
					Start load	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
300 GR. BAR TSX FB	Bench Mark 2	.411"	3.200"	45.0	1,879 fps	34,400 PSI	50.0	2,077 fps	43,000 PSI
	Bench Mark 8208	.411"	3.200"	46.0	1,915 fps	36,700 PSI	51.2	2,101 fps	43,500 PSI
	AR2206H	.411"	3.200"	48.0	1,945 fps	35,500 PSI	53.5C	2,157 fps	44,500 PSI
	AR2208	.411"	3.200"	50.0	1,899 fps	35,200 PSI	55.0C	2,083 fps	42,500 PSI
300 GR. HDY FP	AR2207	.411"	3.085"	37.5	1,925 fps	32,300 PSI	41.5	2,091 fps	43,000 PSI
	AR2219	.411"	3.085"	44.0	1,996 fps	34,800 PSI	49.0	2,150 fps	41,200 PSI
	Bench Mark 2	.411"	3.085"	53.0	2,206 fps	34,100 PSI	59.0	2,404 fps	42,200 PSI
	Bench Mark 8208	.411"	3.085"	50.0	2,086 fps	36,500 PSI	56.0	2,260 fps	42,900 PSI
	AR2206H	.411"	3.085"	53.0	2,114 fps	33,200 PSI	59.0	2,300 fps	40,000 PSI
	AR2208	.411"	3.085"	55.0	2,079 fps	32,600 PSI	61.0	2,275 fps	41,200 PSI
400 GR. WDLGH RNSN	AR2207	.411"	3.230"	33.0	1,582 fps	33,600 PSI	36.5	1,718 fps	43,400 PSI
	Bench Mark 8208	.411"	3.230"	39.0	1,652 fps	36,700 PSI	43.0	1,784 fps	42,900 PSI
	AR2206H	.411"	3.230"	45.5	1,801 fps	37,100 PSI	50.5	1,945 fps	44,900 PSI
	AR2208	.411"	3.230"	48.0	1,790 fps	37,000 PSI	52.0	1,928 fps	44,300 PSI
				Case: R	emington		Barrel le	ength: 24"	
416 Remington Mag	num			Twist: 1	Ū			igth: 2.840"	
4 to itemington mag	IIIIII				Remington 9	1/21/1		J	
				i illilei.				Marringung	
Pullet	Pourdor	Bullet Diem	COL	Cm.	Start load	1	Gm	Maximum I	
Bullet 300 GR. BAR TSX	Powder Bench Mark 8208	Bullet Diam. .416"	C.O.L. 3.600"	Grs. 74.0	Velocity 2,600 fps	Pressure 44,200 CUP	Grs. 78.5	Velocity 2,725 fps	Pressure 52,700 CUP
OUT ON TON	AR2206H	.416"	3.600"	75.0	2,600 lps 2,631 fps	43,700 CUP	80.5	2,725 lps 2,779 fps	52,700 CUP
	AR2208	.416"	3.600"	79.0	2,610 fps	43,700 CUP 42,900 CUP	84.0C	2,745 fps	48,600 CUP
350 GR. SPR SP	Trail Boss	.416"	3.590"			19,700 CUP	29.0		29,900 CUP
JJJ GN. JFK JF	Bench Mark 8208	.416"	3.590"	20.0 71.0	913 fps 2,409 fps	44,600 CUP	77.0	1,143 fps 2,551 fps	52,700 CUP
	AR2206H	.416"	3.590"			45,000 CUP	80.0		,
				75.0	2,476 fps			2,601 fps	52,200 CUP
400 CD LIDY IDN						52,400 CUP			
400 GR. HDY JRN	Bench Mark 8208	.416"	3.560"	68.0	2,233 fps	46,100 CUP	73.0	2,348 fps	52,800 CUP
	AR2206H	.416"	3.560"	71.0	2,268 fps	46,100 CUP	76.0	2,391 fps	53,300 CUP

Case: Remington Barrel length: 24" Twist: 1:14" Trim length: 2.840" 416 Remington Magnum Primer: Remington 9 1/2M Start loads Maximum loads

Bullet Diam. C.O.L. Velocity **Bullet** Powder Grs. **Pressure** Grs. Velocity **Pressure** AR2208 46,300 CUP .416" 3.560" 72.0 2,276 fps 77.0 2,407 fps 53,000 CUP AR2209 .416" 3 560" 85.0 2,305 fps 41.400 CUP 88.0C 2,395 fps 46.400 CUP

Barrel length: 24" Twist: 1:16.5" Trim length: 2.890" 416 Rigby

Primer: Federal 215M

Case: Noma

Start loads Maximum loads **Bullet** Bullet Diam. C.O.L. Velocity Powder Grs. Velocity Pressure Grs. **Pressure** 35,700 CUP 300 GR. BAR TSX AR2209 .416" 3.630" 92.0 2,577 fps 99.0 2,776 fps 42,900 CUP 2,725 fps .416" 3.630" 102.0 2,555 fps 34,900 CUP 40,600 CUP AR2213SC 109.5 325 GR. BAR XFB AR2209 .416" 3.660" 94.0 2.549 fps 37.600 CUP 99.0 2.660 fps 43.600 CUP AR2213SC .416" 3.660" 102.0 2,522 fps 37,700 CUP 107.0 2,631 fps 43,700 CUP 350 GR. SPR SP Trail Boss .416" 3.640" 25.0 1,139 fps 35.0 1,354 fps AR2209 .416" 3.640" 94.0 2,507 fps 38,000 CUP 99.0 2,641 fps 43,400 CUP AR2213SC 101.0 37,100 CUP 107.0 43,000 CUP .416" 3.640" 2,459 fps 2,609 fps AR2217 .416" 3.640" 112.0 37,400 CUP 116.0C 2,479 fps 2,551 fps 39,900 CUP 400 GR. HDY SP AR2209 .416" 3.700" 89.0 2,333 fps 38,500 CUP 94.0 2,456 fps 43,500 CUP .416" 3.700" 97.0 38,500 CUP 102.0 2,432 fps AR2213SC 2,321 fps 43,300 CUP AR2217 .416' 3.700" 110.0 2,371 fps 37,500 CUP 116.0C 2,470 fps 42,200 CUP

416 Weatherby Magnum

Case: Weatherby Twist: 1:14"

Barrel length: 24" Trim length: 2.903"

Primer: Federal 215

				Start loads			Maximum loads		
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
300 GR. BAR XFB	AR2209	.416"	3.780"	117.0	2,917 fps	-	122.0	3,051 fps	-
350 GR. BAR XFB	AR2209	.416"	3.780"	112.0	2,728 fps	-	118.0	2,891 fps	1
400 GR. HDY RN	AR2209	.416"	3.780"	105.0	2,564 fps	-	110.0	2,687 fps	-
	AR2213SC	.416"	3.780"	116.0	2,625 fps	-	120.0	2,703 fps	-
	AR2217	.416"	3.780"	116.0	2,348 fps	-	120.0	2,419 fps	-

44-40 Winchester (44-40 WCF)

Case: Winchester Twist: 1:36"

Barrel length: 20" Trim length: 1.295"

Primer: Winchester LP

WARNING: Data only for use in Winchester Model 92 & 94, Marlin Model 1894 and Remington Model 14.5 rifles in excellent condition. Either slug the bore to determine appropriate bullet diameters or use .427" bullets only. Do not use .429" bullets without first checking barrel bore size.

				Start loads Maximum load					oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs. Velocity Pressure Grs. Velocity					Pressure
200 GR. LEAD RNFP	AS30N	.428"	1.600"	4.2	845 fps	8,200 PSI	5.0	924 fps	11,700 PSI
	AP70N	.428"	1.600"	6.6	950 fps	10,000 PSI	7.3	1,069 fps	11,100 PSI
	AR2205	.428"	-	-	-	-	24.0	1,450 fps	-
215 GR. CAST	AR2205	.428"	-	-	-	-	22.0	1,380 fps	-
240 GR. Jacketed	AR2205	.428"	-	-	-	-	20.0	1,370 fps	-

44 Remington Magnum

Case: Winchester

Barrel length: 20"

Twist: 1:38"

Primer: Remington 2 1/2

Trim length: 1.280"

					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
165 GR. LRNFP CAST	AS30N	.430"	1.500"	4.4	949 fps	8,500 CUP	5.5	1,147 fps	15,500 CUP
	AP70N	.430"	1.500"	6.5	1,009 fps	7,700 CUP	7.2	1,138 fps	11,500 CUP
180 GR. HDY XTP	AR2205	.430"	1.600"	27.5	2,005 fps	24,000 CUP	29.0	2,114 fps	31,200 CUP
185 GR. LRNFP CAST	AS30N	.430"	1.540"	4.2	859 fps	8,900 CUP	6.0	1,162 fps	18,400 CUP
	AP70N	.430"	1.540"	6.4	993 fps	8,400 CUP	7.4	1,180 fps	12,600 CUP
200 GR. LRNFP CAST	AS30N	.430"	1.570"	4.2	874 fps	8,500 CUP	6.4	1,172 fps	20,200 CUP
	AP70N	.430"	1.570"	6.8	1,065 fps	10,500 CUP	7.8	1,209 fps	15,400 CUP
200 GR. NOS JHP	AR2205	.429"	1.600"	25.0	1,840 fps	29,800 CUP	27.0	1,982 fps	37,800 CUP
210 GR. SIE JHC	AR2205	.430"	1.600"	25.0	1,843 fps	29,200 CUP	27.0	1,970 fps	37,600 CUP
225 GR. SPR JHP	AR2205	.429"	1.575"	23.0	1,721 fps	27,400 CUP	25.5	1,897 fps	35,700 CUP
240 GR. LSWC CAST	AS30N	.430"	1.620"	4.3	839 fps	14,000 CUP	6.2	1,062 fps	21,800 CUP
	AP70N	.430"	1.620"	6.5	927 fps	11,700 CUP	10.2	1,374 fps	37,500 CUP
240 GR. NOS JHP	AR2205	.429"	1.600"	22.0	1,624 fps	28,400 CUP	24.0	1,778 fps	36,100 CUP
270 GR. SPR GDSP	AR2205	.429"	1.600"	20.5	1,476 fps	28,400 CUP	22.5	1,638 fps	37,400 CUP
280 GR. SFT JHP	AR2205	.430"	1.700"	20.0	1,354 fps	27,600 CUP	22.0	1,544 fps	37,800 CUP
300 GR. HDY XTP	AR2205	.430"	1.600"	18.0	1,318 fps	30,600 CUP	20.0	1,452 fps	38,600 CUP

444 Marlin

Case: Remington

Barrel length: 24" Trim length: 2.215"

Twist: 1:38"

Primer: Remington 9 1/2

			r miner.	rtariii igtori 3					
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
200 GR. BAR XFB	AR2207	.429"	2.550"	46.0	2,309 fps	34,400 CUP	51.2C	2,566 fps	42,900 CUP
	AR2219	.429"	2.550"	50.0	2,139 fps	30,200 CUP	52.0C	2,206 fps	33,600 CUP
	Bench Mark 2	.429"	2.550"	50.0	2,040 fps	27,600 CUP	54.0	2,212 fps	35,800 CUP
225 GR. BAR XFB	AR2207	.429"	2.550"	42.2	2,107 fps	32,300 CUP	46.9	2,361 fps	42,300 CUP
	AR2219	.429"	2.550"	47.0	2,029 fps	33,400 CUP	50.0C	2,144 fps	37,000 CUP
	Bench Mark 2	.429"	2.550"	49.0	2,028 fps	34,500 CUP	52.0C	2,127 fps	38,100 CUP
240 GR. SIE JHP	AR2207	.430"	2.535"	44.0	2,206 fps	36,100 CUP	49.2C	2,499 fps	42,100 CUP
	AR2219	.430"	2.535"	49.5	2,049 fps	31,400 CUP	52.0C	2,185 fps	35,900 CUP
	Bench Mark 2	.430"	2.535"	51.0	2,042 fps	31,600 CUP	55.0C	2,234 fps	40,600 CUP
	AR2206H	.430"	2.535"	51.0	1,999 fps	29,600 CUP	53.0C	2,069 fps	33,100 CUP
260 GR. FA JFP	AR2207	.430"	2.550"	41.0	2,016 fps	35,600 CUP	45.5	2,194 fps	40,900 CUP
	AR2219	.430"	2.550"	47.0	1,944 fps	33,400 CUP	52.0C	2,159 fps	41,400 CUP
	AR2206H	.430"	2.550"	50.0	1,913 fps	32,700 CUP	53.0C	2,057 fps	36,800 CUP
265 GR. HDY JFP	AR2207	.430"	2.550"	42.0	2,034 fps	31,100 CUP	47.0	2,273 fps	41,100 CUP
	AR2219	.430"	2.550"	47.0	1,991 fps	33,200 CUP	52.0C	2,164 fps	38,300 CUP
	Bench Mark 2	.430"	2.550"	49.0	1,911 fps	31,000 CUP	53.0C	2,139 fps	40,700 CUP
	Bench Mark 8208	.430"	2.550"	51.0	2,030 fps	34,700 CUP	53.5C	2,135 fps	39,100 CUP
	AR2206H	.430"	2.550"	50.0	1,944 fps	29,300 CUP	53.0C	2,080 fps	34,800 CUP
270 GR. SPR JFP	AR2207	.429"	2.540"	42.0	2,092 fps	34,900 CUP	46.5	2,261 fps	41,400 CUP
	AR2219	.429"	2.540"	47.0	1,973 fps	31,700 CUP	52.0C	2,169 fps	38,100 CUP
	Bench Mark 2	.429"	2.540"	50.0	1,978 fps	33,500 CUP	54.0C	2,166 fps	41,700 CUP
	Bench Mark 8208	.430"	2.540"	51.0	2,019 fps	34,300 CUP	53.5C	2,107 fps	38,300 CUP
	AR2206H	.429"	2.540"	50.0	1,950 fps	29,300 CUP	53.0C	2,080 fps	33,400 CUP
275 GR. BAR FP	AR2207	.430"	2.520"	40.0	1,973 fps	33,500 CUP	44.5	2,172 fps	41,800 CUP

444 Marlin

Case: Remington

Barrel length: 24"

Twist: 1:38"

Trim length: 2.215"

				Primer: Remington 9 1/2					
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
	AR2219	.430"	2.520"	46.0	1,930 fps	33,800 CUP	51.0C	2,146 fps	43,100 CUP
	Bench Mark 2	.430"	2.520"	48.0	1,930 fps	35,900 CUP	51.0C	2,069 fps	42,300 CUP
	AR2206H	.430"	2.520"	47.0	1,780 fps	27,100 CUP	52.0C	2,021 fps	36,200 CUP
280 GR. SFT HP	AR2207	.430"	2.620"	38.0	1,938 fps	37,300 CUP	42.5	2,108 fps	42,300 CUP
	AR2219	.430"	2.620"	44.5	1,901 fps	33,400 CUP	49.5	2,120 fps	42,400 CUP
	Bench Mark 2	.430"	2.620"	46.0	1,935 fps	38,300 CUP	49.5C	2,070 fps	42,600 CUP
	Bench Mark 8208	.430"	2.620"	48.0	1,942 fps	35,900 CUP	52.0	2,099 fps	41,600 CUP
	AR2206H	.430"	2.620"	47.0	1,875 fps	30,300 CUP	52.0C	2,089 fps	37,600 CUP
	AR2208	.430"	2.620"	49.0	1,914 fps	33,000 CUP	52.0C	2,025 fps	36,800 CUP
300 GR. SFT HP	AR2207	.430"	2.620"	38.5	1,917 fps	36,200 CUP	42.5	2,082 fps	42,500 CUP
	AR2219	.430"	2.620"	43.0	1,776 fps	30,600 CUP	48.0	2,038 fps	42,600 CUP
	Bench Mark 2	.430"	2.620"	46.0	1,899 fps	36,200 CUP	48.5	1,993 fps	41,900 CUP
	Bench Mark 8208	.430"	2.620"	46.0	1,829 fps	35,700 CUP	49.0	2,029 fps	41,600 CUP
	AR2206H	.430"	2.620"	47.0	1,839 fps	33,600 CUP	50.0C	1,931 fps	35,600 CUP
	AR2208	.430"	2.620"	47.0	1,784 fps	30,700 CUP	50.0C	1,914 fps	35,700 CUP

45-70 Government (Trapdoor Rifles)

Case: Winchester Twist: 1:20"

Barrel length: 24" Trim length: 2.100"

Primer: CCI 200

WARNING: This data is intended for Springfield "Trapdoor" 1886, rolling block and antique replica rifles. Pressure limit 28,000 PSI/CUP NOTE: See Single Action Rifle section for more loads with lead bullets.

				Start loads		ds		Maximum lo	1 loads	
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure	
300 GR. SIE HP	AR2207	.458"	2.525"	45.0	1,807 fps	16,700 CUP	55.0	2,221 fps	27,600 CUP	
300 GR.	Bench Mark 1	-	-	46.0	1,725 fps	-	56.0	2,100 fps	-	
300 GR. SIE HP	AR2219	.458"	2.525"	54.0	1,850 fps	18,100 CUP	60.0	2,142 fps	28,000 CUP	
	Bench Mark 2	.458"	2.525"	59.5	1,907 fps	19,400 CUP	63.5C	2,113 fps	27,400 CUP	
	Bench Mark 8208	.458"	2.525"	54.0	1,728 fps	18,800 CUP	60.0	2,023 fps	25,400 CUP	
300 GR.	AR2206	-	-	58.0	1,850 fps	-	62.0C	2,030 fps	-	
300 GR. SIE HP	AR2206H	.458"	2.525"	58.0	1,805 fps	16,500 CUP	62.0C	1,974 fps	21,000 CUP	
	AR2208	.458"	2.525"	57.0	1,770 fps	16,300 CUP	63.0C	2,020 fps	23,800 CUP	
325 GR. HDY FTX	AR2219	.458"	2.590"	36.5	1,401 fps	17,100 CUP	51.5	1,951 fps	26,000 CUP	
	Bench Mark 8208	.458"	2.590"	48.5	1,618 fps	18,400 CUP	56.8C	1,936 fps	25,800 CUP	
	AR2206H	.458"	2.590"	41.8	1,327 fps	13,700 CUP	53.3C	1,834 fps	23,500 CUP	
400 GR.	Bench Mark 1	-	-	42.0	1,520 fps	-	46.0	1,665 fps	-	
	AR2206	-	-	47.0	1,600 fps	-	52.0	1,770 fps	-	

45-70 Government (Lever Actions)

Case: Winchester

Barrel length: 24"

Twist: 1:20"

Trim length: 2.100"

Primer: CCI 200

WARNING: This data is intended for lever action rifles like the Marlin 1895. Pressure limit 40,000 PSI/CUP

				Start loads			Maximum loads			
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure	
300 GR. SIE HP	AR2207	.458"	2.525"	55.0	2,221 fps	27,600 CUP	60.0	2,424 fps	40,000 CUP	
	AR2219	.458"	2.525"	57.0	2,002 fps	21,400 CUP	63.0C	2,252 fps	32,600 CUP	
	Bench Mark 8208	.458"	2.525"	60.0	2,023 fps	25,400 CUP	65.0C	2,240 fps	32,900 CUP	
325 GR. HDY FTX	AR2219	.458"	2.590"	51.5	1,951 fps	26,000 CUP	59.4C	2,250 fps	37,600 CUP	
350 GR. HDY JRN	AR2207	.458"	2.540"	48.5	2,036 fps	32,200 CUP	54.0	2,191 fps	39,300 CUP	
	Bench Mark 2	.458"	2.540"	56.0	1,886 fps	26,900 CUP	60.0C	2,092 fps	39,300 CUP	
	Bench Mark 8208	.458"	2.540"	55.0	1,930 fps	26,800 CUP	61.0C	2,152 fps	36,200 CUP	
	AR2206H	.458"	2.540"	53.0	1,784 fps	21,700 CUP	59.0C	2,045 fps	32,900 CUP	
	AR2208	.458"	2.540"	54.0	1,786 fps	21,800 CUP	60.0C	2,013 fps	29,500 CUP	
400 GR. SPR JFP	AR2207	.458"	2.540"	46.0	1,854 fps	29,500 CUP	50.5	2,002 fps	39,400 CUP	
400 GR.	Bench Mark 1	-	-	48.0	1,800 fps	-	52.0	1,950 fps	-	
400 GR. SPR JFP	AR2219	.458"	2.540"	50.0	1,767 fps	23,700 CUP	55.0C	1,984 fps	39,200 CUP	
	Bench Mark 2	.458"	2.540"	55.0	1,856 fps	29,600 CUP	58.5C	1,986 fps	40,000 CUP	
400 GR.	AR2206	-	-	54.0	1,865 fps	-	56.0	1,935 fps	-	
400 GR. SPR JFP	AR2206H	.458"	2.540"	50.0	1,614 fps	19,200 CUP	55.0C	1,859 fps	26,500 CUP	
	AR2208	.458"	2.540"	50.0	1,655 fps	18,600 CUP	55.0C	1,845 fps	25,000 CUP	

45-70 Government (Modern Rifles)

Case: Winchester

Barrel length: 24"

Twist: 1:20"

Trim length: 2.100"

Primer: CCI 200

WARNING: This data is for use in Ruger No. 1 and No. 3 single shots, Browning Model 1885 single shot and Siamese Mauser bolt action rifles. Pressure limit 50,000 PSI/CUP

					Start loa	ds	Maximum loads		
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
300 GR. BAR TTSX	AR2207	.458"	2.775"	53.0	2,346 fps	39,800 CUP	56.0C	2,445 fps	46,700 CUP
300 GR. SIE HP	AR2207	.458"	2.525"	59.5	2,394 fps	37,300 CUP	63.0	2,532 fps	50,000 CUP
325 GR. HDY FTX	AR2207	.458"	2.650"	52.0	2,242 fps	37,700 CUP	56.0C	2,378 fps	46,500 CUP
	AR2219	.458"	2.650"	59.4	2,250 fps	37,600 CUP	63.0C	2,375 fps	45,900 CUP
350 GR. HDY JRN	AR2207	.458"	2.540"	50.5	2,104 fps	35,100 CUP	56.0	2,300 fps	50,000 CUP
	AR2219	.458"	2.540"	52.0	1,898 fps	25,800 CUP	57.0C	2,143 fps	41,100 CUP
400 GR. SPR JFP	AR2207	.458"	2.540"	48.0	1,915 fps	31,800 CUP	53.0	2,108 fps	49,100 CUP
500 GR.	AR2206	-	-	50.0	1,665 fps	-	55.0	1,830 fps	-

WWG 457 Mag

Case: Twist: - Barrel length: -Trim length: -

Primer:

					Start load	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
300 GR. REM. JHP	AR2207	.458"	2.660"	56.7	2,296 fps	39,300 CUP	58.2	2,361 fps	43,200 CUP
	AR2219	.458"	2.660"	61.5	2,224 fps	36,400 CUP	64.0C	2,364 fps	42.5 CUP
350 GR. KODIAK	AR2207	.458"	2.660"	51.8	2,069 fps	37,200 CUP	53.8	2,172 fps	44,000 CUP
	AR2219	.458"	2.660"	58.0	2,092 fps	36,300 CUP	60.0C	2,191 fps	43,000 CUP
400 GR. BEAR CRK LD	AR2205	.458"	2.650"	-	-	-	27.0	1,422 fps	24,000 CUP
405 GR. KODIAK	AR2207	.458"	2.650"	44.0	1,818 fps	38,600 CUP	47.2	1,925 fps	43,000 CUP
	AR2219	.458"	2.650"	51.0	1,870 fps	37,200 CUP	53.2	1,975 fps	43,500 CUP

WWG 457 Mag				Case: Twist: - Primer:			Barrel le	•	
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
405 GR. REM JFP	AR2207	.458"	2.660"	48.8	1,926 fps	37,800 CUP	50.8	2,002 fps	43,700 CUP
	AR2219	.458"	2.660"	54.5	1,957 fps	39,900 CUP	57.0	2,045 fps	43,400 CUP
45-90 Winchester				Case: Twist: - Primer:			Barrel le	ength: 24" egth: -	
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
300 GR.	AR2207	-	-	-	-	-	36.5	1,500 fps	-
400 GR.	AR2207	-	-	-	-	-	30.5	1,350 fps	-
577/450 Martini Henr	у			Case: Twist: - Primer:			Barrel le	ength: 24" Igth: -	
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
400 GR. LEAD	AR2207	-	-	-	-	-	37.0	1,300 fps	-
450 Nitro Express				Case: Twist: - Primer:			Trim len	ength: 24" ngth: -	
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
500 GR.	AR2208	-	-	-	-	-	84.0	2,150 fps	-
	AR2209	-	-	-	-	-	100.0	2,150 fps	-
450 Marlin				Case: H Twist: 1 Primer:	:20" Winchester L			ength: 24" agth: 2.090"	
	1	T = 11.51			Start loa	ı		Maximum I	
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
250 GR. BAR XFN	AR2207	.458"	2.510"	51.0	2,253 fps	33,600 PSI	57.0C	2,509 fps	42,200 PSI
300 GR. NOS PART	AR2207	.458"	2.510"	48.0	2,116 fps	33,900 PSI	53.0	2,321 fps	42,200 PSI
350 GR. HDY JFP	AR2219 AR2207	.458"	2.510" 2.530"	56.0 43.0	2,160 fps 1,939 fps	32,900 PSI 35,700 PSI	59.0C 48.5	2,289 fps 2,119 fps	37,300 PSI 42.200 PSI
330 GR. 11DT 3FP	AR2219	.458"	2.530"	53.0	2,043 fps	35,700 PSI 36,500 PSI	48.5 58.0C	2,119 fps 2,196 fps	42,200 PSI 42,300 PSI
	Bench Mark 2	.458"	2.530"	56.0	2,043 lps 2,004 fps	33,300 PSI	59.0C	2,190 lps	42,300 PSI 38,600 PSI
400 GR. SPR JFP	AR2207	.458"	2.520"	41.0	1,872 fps	41,200 PSI	45.5	1,958 fps	42,600 PSI
	AR2219	.458"	2.520"	48.0	1,862 fps	34,800 PSI	52.5C	2,023 fps	41,900 PSI
	Bench Mark 2	.458"	2.520"	50.0	1,811 fps	33,000 PSI	55.0C	2,010 fps	42,500 PSI
	AR2206H	.458"	2.520"	51.0	1,817 fps	34,700 PSI	56.0C	1,986 fps	42,000 PSI
	AR2208	.458"	2.520"	54.0	1,803 fps	33,500 PSI	57.0C	1,910 fps	38,000 PSI
	<u> </u>	1	1		1 /	, - -	1	1 ,	

Case: Winchester Barrel length: 24" Twist: 1:14" Trim length: 2.490" 458 Winchester Magnum Primer: CCI 250 Start loads Maximum loads **Bullet** Powder Bullet Diam. C.O.L. Grs. Velocity **Pressure** Grs. Velocity **Pressure** 300 GR. MEI LFP 19.0 Trail Boss .458 2 885" 1,187 fps 10.800 CUP 230 1,282 fps 13.200 CUP 300 GR. BAR TSX AR2207 3.200" 458" 68.0 2,565 fps 40,300 CUP 76.0C 51,300 CUP 2,793 fps AR2219 41.300 CUP 83.0C 50.500 CUP .458" 3 200" 77.0 2,584 fps 2,753 fps 2,355 fps Bench Mark 2 3.200" 74.0 30,600 CUP 32,600 CUP .458" 80.0C 2,507 fps 300 GR. BAR TTSX BT AR2207 .458" 3.300" 68.0 2,591 fps 40,900 CUP 72.5C 2,720 fps 49,100 CUP AR2219 .458" 3.300" 71.0 2,447 fps 36.900 CUP 75.0C 41,200 CUP 2,561 fps 350 GR. SPR SP AR2207 2,426 fps 44,700 CUP 51,600 CUP .458 3.105" 67.0 72.0C 2,548 fps AR2219 .458" 3.105" 75.0 2,469 fps 40,900 CUP 80.0C 2,589 fps 49,400 CUP 33,500 CUP 42,400 CUP Bench Mark 2 .458" 3.105" 71.0 2,250 fps 79.0C 2,468 fps Bench Mark 8208 .458" 3.105" 74.0 2,365 fps 35,800 CUP 77.0C 2,452 fps 37,700 CUP 350 GR AR2206 77.0 2,425 fps 795 2,480 fps 350 GR. SPR SP AR2206H .458" 77.0 2,419 fps 34,600 CUP 80 OC 38,700 CUP 3.105" 2,496 fps 385 GR. CAST LRN 16.0 1,020 fps 1,123 fps Trail Boss .459 3.000" 12,100 CUP 19.0 16,100 CUP 400 GR. SFT SP AR2207 .458" 3.220" 61.0 2,197 fps 44,000 CUP 67.0 2,323 fps 51,000 CUP AR2219 .458" 3.220" 68.5 2,211 fps 36,500 CUP 76.0C 2,407 fps 51,100 CUP Bench Mark 2 .458" 3.220" 70.0 2,138 fps 33,500 CUP 78.0C 2,343 fps 46,600 CUP Bench Mark 8208 .458" 3.220" 73.0 2,269 fps 37,100 CUP 77.0C 2,362 fps 44,300 CUP 400 GR AR2206 72.0 2,200 fps 77.0C 2,345 fps 400 GR, SFT SP AR2206H .458 3 220" 72.02,214 fps 33.100 CUP 77.0C 2,349 fps 42.500 CUP AR2208 458" 3 220" 74 0 2,246 fps 34,500 CUP 77.0C 2,310 fps 38.800 CUP 405 GR. CAST LFP .458" 2.910" 18.0 1,040 fps 14.500 CUP 21.0 17.100 CUP Trail Boss 1.082 fps 450 GR. SFT SP AR2207 .458" 3.340" 56.5 2,001 fps 44,700 CUP 60.0 2,092 fps 50,800 CUP AR2219 458" 3 340" 67.0 2,139 fps 43,700 CUP 71.0C 2,220 fps 51,000 CUP Bench Mark 2 .458" 3.340" 70.0 2,090 fps 41,600 CUP 75.0C 2,220 fps 48,200 CUP Bench Mark 8208 .458" 3.340" 71.0 2,146 fps 40,800 CUP 75.0C 2,235 fps 48,300 CUP AR2206H .458" 3.340" 70.0 2,108 fps 36,100 CUP 74.0C 2,205 fps 43,000 CUP AR2208 70.0 34,200 CUP 74.0C 41,600 CUP .458 3.340" 2,083 fps 2,195 fps 485 GR. MEI LFP Trail Boss 2.925" 15,500 CUP 22,700 CUP .458" 13.0 860 fps 19.0 962 fps 500 GR. HDY JRN AR2207 .458 3.310" 53.0 1,887 fps 48,700 CUP 58.5 1,987 fps 51,100 CUP AR2219 62.5 39.400 CUP 52.000 CUP 458" 3 3 1 0 " 1,935 fps 69.5C 2,109 fps Bench Mark 2 .458" 3.310" 68.0 2,017 fps 42,300 CUP 73.0C 2,123 fps 50,300 CUP Bench Mark 8208 3.310" 39,400 CUP 49,700 CUP .458" 67.0 1,993 fps 73.5C 2,140 fps 2,050 fps 500 GR. AR2206 69.0 73.5C 2,185 fps

500 GR. HDY JRN

AR2206H

AR2208

.458"

.458"

3.310"

3.310"

70.0

70.0

2,068 fps

2,056 fps

42,000 CUP

39,400 CUP

74.0C

74.0C

2,161 fps

2,152 fps

50,300 CUP

48,100 CUP

				Case: V	Veatherby		Barrel length: 26"		
460 Weatherby Mag	ınıım			Twist: 1	:16"			gth: 2.903"	
400 Weatherby Mag	jiidiii			Primer:	Federal 215				
					Start load	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
350 GR. HDY RN	AR2206H	.458"	3.355"	100.0	2,514 fps	-	110.0	2,760 fps	-
	AR2209	.458"	3.355"	115.0	2,595 fps	-	120.0	2,737 fps	-
	AR2213SC	.458"	3.355"	118.0	2,481 fps	-	128.0	2,678 fps	-
400 GR. BAR XFB	AR2206H	.458"	3.710"	97.0	2,404 fps	-	107.0	2,589 fps	-
	AR2209	.458"	3.710"	112.0	2,431 fps	-	118.0	2,610 fps	-
	AR2213SC	.458"	3.710"	117.0	2,434 fps	-	127.0	2,565 fps	-
500 GR. HDY RN	AR2206H	.458"	3.710"	95.0	2,314 fps	-	105.0	2,478 fps	-
	AR2209	.458"	3.710"	108.0	2,371 fps	-	115.0	2,508 fps	-
	AR2213SC	.458"	3.710"	116.0	2,386 fps	-	126.0	2,469 fps	-
600 GR. BAR RN	AR2209	.458"	3.710"	98.0	2,292 fps	-	104.0	2,439 fps	-
	AR2213SC	.458"	3.710"	110.0	2,302 fps	-	115.0	2,457 fps	-
				Case: F	ederal		Barrel le	ngth: 23.75"	
470 Nitro Express				Twist: 1	:20"			gth: 3.240"	
470 NILIO Express					Federal 215			J an 3.2.13	
					Start load	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
500 GR. WDLGH RN	Trail Boss	.475"	3.875"	-	-	-	45.5	1,257 fps	26,500 PSI
	AR2209	.475"	3.875"	95.0	2,134 fps	36,900 PSI	100.0	2,234 fps	41,700 PSI
	AR2213SC	.475"	3.875"	108.0	2,184 fps	38,000 PSI	112.0	2,247 fps	40,800 PSI
	AR2217	.475"	3.875"	118.0	2,172 fps	33,900 PSI	124.0C	2,300 fps	40,500 PSI
	AR2225	.475"	3.875"	118.0	2,088 fps	30,600 PSI	125.0C	2,202 fps	34,800 PSI
			•	Case: S	tarline		Barrel le	ngth: 22"	
50 Alaskan				Twist: 1				gth: 2.090"	
30 Alaskali				Primer:				9.	
					001200				
					Start load	de		Mavimum I	oade
Rullet	Powder	Rullet Diam	COL		Start load	 I	Gre	Maximum I	<u> </u>
Bullet 435 GR I EN W/GC	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs .	Velocity	Pressure
Bullet 435 GR. LFN W/GC	AR2207	.510"	2.460"	Grs. 57.0	Velocity 1,912 fps	Pressure 26,100 CUP	62.0	Velocity 2,089 fps	Pressure 35,500 CUP
435 GR. LFN W/GC	AR2207 AR2219	.510" .510"	2.460" 2.460"	Grs. 57.0 62.0	Velocity 1,912 fps 1,856 fps	Pressure 26,100 CUP 25,500 CUP	62.0 66.0	Velocity 2,089 fps 1,994 fps	Pressure 35,500 CUP 33,800 CUP
	AR2207 AR2219 AR2207	.510" .510" .510"	2.460" 2.460" 2.420"	Grs. 57.0 62.0 52.0	Velocity 1,912 fps 1,856 fps 1,772 fps	Pressure 26,100 CUP 25,500 CUP 24,700 CUP	62.0 66.0 56.0	Velocity 2,089 fps 1,994 fps 1,940 fps	Pressure 35,500 CUP 33,800 CUP 35,300 CUP
435 GR. LFN W/GC	AR2207 AR2219 AR2207 AR2219	.510" .510" .510"	2.460" 2.460" 2.420" 2.420"	Grs. 57.0 62.0 52.0 57.0	Velocity 1,912 fps 1,856 fps 1,772 fps 1,732 fps	Pressure 26,100 CUP 25,500 CUP 24,700 CUP 26,200 CUP	62.0 66.0 56.0 60.5	Velocity 2,089 fps 1,994 fps 1,940 fps 1,876 fps	Pressure 35,500 CUP 33,800 CUP 35,300 CUP 34,600 CUP
435 GR. LFN W/GC 450 GR. BAR FP	AR2207 AR2219 AR2207 AR2219 Bench Mark 2	.510" .510" .510" .510" .510"	2.460" 2.460" 2.420" 2.420" 2.420"	Grs. 57.0 62.0 52.0 57.0 59.0	Velocity 1,912 fps 1,856 fps 1,772 fps 1,732 fps 1,718 fps	Pressure 26,100 CUP 25,500 CUP 24,700 CUP 26,200 CUP 26,400 CUP	62.0 66.0 56.0 60.5 63.0	Velocity 2,089 fps 1,994 fps 1,940 fps 1,876 fps 1,878 fps	Pressure 35,500 CUP 33,800 CUP 35,300 CUP 34,600 CUP 35,100 CUP
435 GR. LFN W/GC	AR2207 AR2219 AR2207 AR2219 Bench Mark 2 AR2207	.510" .510" .510" .510" .510"	2.460" 2.460" 2.420" 2.420" 2.420" 2.500"	Grs. 57.0 62.0 52.0 57.0 59.0 51.0	Velocity 1,912 fps 1,856 fps 1,772 fps 1,732 fps 1,718 fps 1,719 fps	Pressure 26,100 CUP 25,500 CUP 24,700 CUP 26,200 CUP 26,400 CUP 28,600 CUP	62.0 66.0 56.0 60.5 63.0 55.0	Velocity 2,089 fps 1,994 fps 1,940 fps 1,876 fps 1,878 fps 1,854 fps	Pressure 35,500 CUP 33,800 CUP 35,300 CUP 34,600 CUP 35,100 CUP 34,500 CUP
435 GR. LFN W/GC 450 GR. BAR FP 500 GR. JFP	AR2207 AR2219 AR2207 AR2219 Bench Mark 2 AR2207 AR2219	.510" .510" .510" .510" .510" .510"	2.460" 2.460" 2.420" 2.420" 2.420" 2.500"	Grs. 57.0 62.0 52.0 57.0 59.0 51.0 56.0	Velocity 1,912 fps 1,856 fps 1,772 fps 1,732 fps 1,718 fps 1,719 fps 1,674 fps	Pressure 26,100 CUP 25,500 CUP 24,700 CUP 26,200 CUP 26,400 CUP 28,600 CUP 25,900 CUP	62.0 66.0 56.0 60.5 63.0 55.0 59.5	2,089 fps 1,994 fps 1,940 fps 1,876 fps 1,878 fps 1,854 fps 1,819 fps	Pressure 35,500 CUP 35,300 CUP 35,300 CUP 34,600 CUP 35,100 CUP 34,500 CUP 34,500 CUP
435 GR. LFN W/GC 450 GR. BAR FP	AR2207 AR2219 AR2207 AR2219 Bench Mark 2 AR2207 AR2219 AR2207	.510" .510" .510" .510" .510" .510" .510" .510"	2.460" 2.460" 2.420" 2.420" 2.420" 2.500" 2.500"	Grs. 57.0 62.0 52.0 57.0 59.0 51.0 56.0	Velocity 1,912 fps 1,856 fps 1,772 fps 1,732 fps 1,718 fps 1,719 fps 1,674 fps 1,724 fps	Pressure 26,100 CUP 25,500 CUP 24,700 CUP 26,200 CUP 26,400 CUP 28,600 CUP 25,900 CUP 27,300 CUP	62.0 66.0 56.0 60.5 63.0 55.0 59.5	Velocity 2,089 fps 1,994 fps 1,940 fps 1,876 fps 1,878 fps 1,854 fps 1,819 fps 1,852 fps	Pressure 35,500 CUP 33,800 CUP 35,300 CUP 34,600 CUP 35,100 CUP 34,500 CUP 34,800 CUP
435 GR. LFN W/GC 450 GR. BAR FP 500 GR. JFP	AR2207 AR2219 AR2207 AR2219 Bench Mark 2 AR2207 AR2219	.510" .510" .510" .510" .510" .510"	2.460" 2.460" 2.420" 2.420" 2.420" 2.500"	Grs. 57.0 62.0 52.0 57.0 59.0 51.0 56.0	Velocity 1,912 fps 1,856 fps 1,772 fps 1,732 fps 1,718 fps 1,719 fps 1,674 fps	Pressure 26,100 CUP 25,500 CUP 24,700 CUP 26,200 CUP 26,400 CUP 28,600 CUP 25,900 CUP	62.0 66.0 56.0 60.5 63.0 55.0 59.5	2,089 fps 1,994 fps 1,940 fps 1,876 fps 1,878 fps 1,854 fps 1,819 fps	Pressure 35,500 CUP 35,300 CUP 35,300 CUP 34,600 CUP 35,100 CUP 34,500 CUP 33,900 CUP

				Case: D	akota Arms		Barrel le	ength: 24"	
500 CYRUS				Twist: 1	:20"		Trim len	ngth: 2.230"	
				Primer:	Federal 215N	1			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
325 GR. BAR XPB	AR2207	.500"	2.895"	75.0	2,622 fps	47,000 CUP	80.0	2,724 fps	51,800 CUP
	AR2219	.500"	2.895"	85.0	2,607 fps	45,700 CUP	90.0C	2,722 fps	48,700 CUP
	Bench Mark 2	.500"	2.895"	86.0	2,572 fps	42,500 CUP	92.0C	2,720 fps	48,400 CUP
350 GR. SIE JHP	AR2219	.500"	2.655"	84.0	2,535 fps	45,500 CUP	90.0	2,654 fps	49,700 CUP
	Bench Mark 2	.500"	2.665"	87.0	2,539 fps	44,000 CUP	93.0C	2,653 fps	49,100 CUP
	AR2206H	.500"	2.655"	89.0	2,447 fps	39,800 CUP	95.0C	2,623 fps	46,900 CUP
400 GR. LEAD Conical w/GC	Trail Boss	.500"	2.710"	25.0	1,283 fps	28,800 CUP	30.0C	1,388 fps	34,500 CUP
400 GR. SIE JSP	AR2219	.500"	2.800"	80.4	2,317 fps	39,600 CUP	85.5	2,455 fps	46,200 CUP
	Bench Mark 2	.500"	2.800"	83.0	2,339 fps	39,800 CUP	89.0	2,501 fps	48,300 CUP
	AR2206H	.500"	2.800"	87.0	2,302 fps	37,100 CUP	93.0C	2,470 fps	43,700 CUP
	AR2208	.500"	2.800"	87.5	2,222 fps	35,300 CUP	93.0C	2,386 fps	40,500 CUP
450 GR. LSWC w/GC	Trail Boss	.501"	2.670"	23.0	1,189 fps	-	28.0C	1,275 fps	29,600 CUP
500 GR. HDY JFP MAG	AR2219	.500"	2.900"	74.3	2,111 fps	41,600 CUP	79.0	2,251 fps	52,000 CUP
	Bench Mark 2	.500"	2.900"	75.0	2,111 fps	42,800 CUP	81.5	2,250 fps	52,300 CUP
	AR2206H	.500"	2.900"	82.0	2,148 fps	40,600 CUP	87.0C	2,291 fps	49,100 CUP
	AR2208	.500"	2.900"	82.7	2,102 fps	39,100 CUP	88.0C	2,242 fps	46,500 CUP
				Case:			Barrel le	ength: 45"	
500 Jeffery				Twist: -			Trim len	•	
300 Seriery				Primer:				J	
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
500 GR.	AR2206	-	-	-	-	-	96.0	2,300 fps	-
				Case: F	NR		Barrel le	ength: 45"	
EO Prouming Machin	oo Cum			Twist: 1				ngth: 3.900"	
50 Browning Machin	ie Guii			Primer:				. g. 0.000	
				i illiloi.	Start loa	de		Maximum I	nade
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
655 GR. ADI FMJ	AR2218	.510"	5.450"	_	-	-	248.0	3,029 fps	-
750 GR. HDY A-MAX	AR2218	.510"	5.450"	_	_	_	233.0	2,800 fps	_
800 GR. BAR SOLID	AR2218	.510"	5.630"	_	_	_	225.0	2,725 fps	_
	, 4 422 10	1 .010	0.000	_	1 -	_	220.0	2,120100	_

SINGLE ACTION DATA

Introduction

Velocities for all cartridges listed are limited by the SAAMI maximum allowable pressures. Minimum loads are also established by pressure, since loads with very low pressure may fail to function in very cold weather, resulting in a bullet becoming lodged in the bore (please see the Warnings section of this guide). The average loss in velocity from the listed pressure barrel data when using a 45/8 inch barrelled revolver is 175 fps. A 71/2 inch revolver will lose approximately 50 fps. Carbines will generally develop velocities similar to those listed in the data. Some carbine/cartridge combinations will exceed the velocities listed. Because of a wide variation in bullet diameter, chamber diameter, cylinder gap, case capacity and manufacturing variations in primers and powder, we suggest that you chronograph loads from your own firearms.

DO NOT LOAD BELOW MINIMUM RECOMMENDATIONS.

Doing so could result in a bullet stuck in the bore.

Long Range Rifle Data

The loads listed below are representative of common calibres used. As there are so many cartridges that could be used, only a few are shown.

DO NOT USE ANY FILLER MATERIAL WITH THESE LOADS,

as fillers can alter pressure and velocities decidedly. Velocities are limited to approximately 1,600 fps due to excessive leading at higher velocities. Use flat point bullets in tubular magazines.

Shotgun

Any load suitable for trap or skeet is suitable for Single Action shooting. Shot loads of ⁷/₈ oz., 1 oz. and ¹¹/₈ oz. are all that is required. Heavier loads generate more recoil and are, at best, unpleasant to shoot and, at worst, add time to your score. The loads included in this guide were selected for their performance and for component availability.

Remember:

- Smooth shells come out of a double-barrelled shotgun better than ribbed shells.
- 2. NO STEEL SHOT.
- NO SHOT LARGER THAN #4. Size 6, 7¹/₂ and 8 are most common.
- 4. CHECK YOUR RELOADS IN YOUR GUN FOR PROPER FUNCTION

*Damascus barrels should be considered unsafe with ANY powder.



SINGLE ACTION RIFLE

				1					
					emington			ength: 24"	
25-20 Winchester				Twist: 1	:14"		Trim len	igth: 1.320"	
				Primer:	Winchester S	R			
					Start load	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
71 GR. LRNFP	AR2205	.258"	1.545"	6.0	1,146 fps	13,700 CUP	7.0	1,346 fps	18,200 CUP
85 GR. LRNFP	AR2205	.258"	1.600"	6.0	1,129 fps	18,500 CUP	7.0	1,317 fps	20,500 CUP
				Case: W	/inchester		Barrel le	ength: 24"	
30-30 Winchester				Twist: 1	:12"			ath: 2.030"	
00-00 Willeriester				Primer:	Winchester LI	R			
					Start load			Maximum I	oodo
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
160 GR. CAST LFN	Trail Boss	.308"	2.485"	6.5	997 fps	20,500 CUP	9.0	1,195 fps	29,100 CUP
100 GR. CAST LI N	AR2207	.308"	2.485"	15.0	1,420 fps	15,000 CUP	17.0	1,616 fps	29,100 CUP
	AR2206H	.308"	2.485"	17.5	1,420 lps 1,351 fps	15,200 CUP	21.0	1,562 fps	23,100 CUP
	ARZZ0011	.500	2.400	17.5	1,551 105	15,200 COF	21.0	1,502 105	25,100 COF
				Case: V	/inchester		Barrel le	ength: 24"	
32-40 Winchester				Twist: 1	:16"		Trim len	igth: 2.120"	
				Primer:	Remington 2	1/2			
NOTE: See Single Action F	Rifle section for more loads with	lead bullets.							
					Start load	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
196 GR. HOCH	Trail Boss	.324"	2.555"	5.0	833 fps	12,500 CUP	6.0	935 fps	25,300 CUP
	AR2205	.324"	2.555"	-	-	-	13.0	1,367 fps	18,000 CUP
202 GR. POPE	AR2205	.324"	2.555"	-	-	-	14.0	1,376 fps	15,900 CUP
204 GR. MILLER	AR2205	.324"	2.555"	-	-	-	13.5	1,367 fps	16,300 CUP
				0	E		Damella		
				Twist: 1	/inchester			ength: 24" egth: 2.075"	
38-55 Winchester							minien	Igui. 2.075	
				Primer:	CCI 200		T		
	1		T		Start loa	1		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
250 GR. LYMAN CAST	Trail Boss	.376"	2.500"	6.0	842 fps	20,300 CUP	7.0	911 fps	25,600 CUP
	AR2207	.376"	2.500"	18.5	1,408 fps	17,100 CUP	24.0	1,740 fps	26,200 CUP
	AR2219	.376"	2.500"	24.0	1,534 fps	22,500 CUP	27.0	1,692 fps	27,600 CUP
	AR2206H	.376"	2.500"	21.0	1,197 fps	18,200 CUP	26.0	1,600 fps	26,500 CUP
				Case: W	/inchester		Barrel le	ength: 24"	
40-65 Winchester				Twist: 1	:16"		Trim len	gth: 2.095"	
				Primer:	Winchester LI	R			
					Start load	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
400 GR. LRNFP	Trail Boss	.409"	2.780"	11.0	889 fps	20,000 CUP	12.0	915 fps	21,200 CUP
	AR2205	.409"	2.780"	20.0	1,277 fps	18,900 CUP	23.0	1,410 fps	24,900 CUP
	AR2207	.409"	2.780"	28.0	1,441 fps	21,200 CUP	31.0	1,572 fps	24,700 CUP
	AR2219	.409"	2.780"	30.5	1,398 fps	19,200 CUP	33.0	1,520 fps	23,900 CUP
	Bench Mark 2	.409"	2.780"	29.0	1,321 fps	18,800 CUP	32.5	1,491 fps	25,000 CUP
	DCI ICI I Walk 2			20.0					
	Bench Mark 8208	.409"	2.780"	30.8	1,409 fps	24,300 CUP	32.4	1,462 fps	25,100 CUP
		.409"				24,300 CUP 19,700 CUP	32.4 36.0	1,462 fps 1,554 fps	25,100 CUP 24,200 CUP

SINGLE ACTION RIFLE

45-70 Government	(Trapdoor Rifles)			Case: V Twist: 1 Primer:				ength: 24" igth: 2.100"	
				1 11111011	Start loa	de		Maximum I	nade
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
300 GR. CAST LFP	Trail Boss	.458"	2.465"	14.0	1,199 fps	19,400 CUP	16.5	1,285 fps	20,900 CUP
300 GR. CAST LIT	AR2207	.458"	2.465"	30.0	1,199 lps	19,400 CUP	35.5	1,641 fps	16,100 CUP
	Bench Mark 2	.458"	2.465"	54.0	1,788 fps	18,300 CUP	58.0	1,940 fps	21,900 CUP
	Bench Mark 8208	.458"	2.465"	51.2	1,723 fps	19,500 CUP	55.0	1,924 fps	24,700 CUP
	AR2206H	.458"	2.465"	45.0	1,572 fps	14,400 CUP	51.0	1,703 fps	15,500 CUP
	AR2208	.458"	2.465"	45.0	1,599 fps	17,800 CUP	55.0	1,880 fps	20,600 CUP
385 GR. CAST LFP	Trail Boss	.458"	2.505"	14.0	1,075 fps	19,400 CUP	16.0	1,142 fps	23,200 CUP
	AR2207	.458"	2.505"	28.0	1,302 fps	13,300 CUP	32.0	1,483 fps	14,700 CUP
	Bench Mark 2	.458"	2.505"	50.0	1,621 fps	16,300 CUP	53.0	1,779 fps	21,300 CUP
	AR2206H	.458"	2.505"	35.0	1,280 fps	11,900 CUP	42.0	1,526 fps	23,100 CUP
	AR2208	.458"	2.505"	42.5	1,537 fps	15,400 CUP	52.5	1,805 fps	21,800 CUP
405 GR. CAST LFP	Trail Boss	.458"	2.540"	12.0	971 fps	24,500 CUP	13.0	1,007 fps	25,600 CUP
	AR2207	.458"	2.540"	27.0	1,251 fps	14,200 CUP	31.0	1,459 fps	17,100 CUP
	Bench Mark 2	.458"	2.540"	47.0	1,564 fps	17,100 CUP	50.0	1,695 fps	22,600 CUP
	Bench Mark 8208	.458"	2.540"	47.9	1,637 fps	21,800 CUP	51.0	1,727 fps	23,600 CUP
	AR2206H	.458"	2.540"	40.0	1,424 fps	14,900 CUP	48.0	1,645 fps	18,900 CUP
	AR2208	.458"	2.540"	40.0	1,392 fps	15,600 CUP	50.0	1,718 fps	20,900 CUP
485 GR. CAST LFP	Trail Boss	.458"	2.540"	8.0	699 fps	17,100 CUP	10.0	804 fps	23,300 CUP
	AR2207	.458"	2.540"	28.0	1,279 fps	16,400 CUP	32.0	1,434 fps	20,400 CUP
	Bench Mark 2	.458"	2.540"	38.0	1,290 fps	15,600 CUP	43.0	1,503 fps	23,400 CUP
	Bench Mark 2	.458"	2.540"			15,600 CUP		•	23,400 CUP
45-120 Sharps	Bench Mark 2	.458"	2.540"	38.0 Case: B Twist: 1	ell	15,600 CUP	Barrel le	1,503 fps ength: 24"	23,400 CUP
45-120 Sharps	Bench Mark 2	.458"	2.540"	Case: B	ell :18"	,	Barrel le	ength: 24"	23,400 CUP
45-120 Sharps	Bench Mark 2	.458"	2.540"	Case: B	ell :18" Federal 210M	1	Barrel le	ength: 24" ngth: 3.240"	·
				Case: B Twist: 1 Primer:	ell :18" Federal 210M Start loa	1 ds	Barrel le	ength: 24" gth: 3.240" Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Case: B Twist: 1 Primer:	ell :18" Federal 210N Start loa Velocity	ds Pressure	Barrel le	ength: 24" agth: 3.240" Maximum I Velocity	oads Pressure
	Powder Trail Boss	Bullet Diam.	C.O.L. 3.700"	Case: B Twist: 1 Primer: Grs. 29.0	ell :18" Federal 210N Start loa Velocity 1,320 fps	ds Pressure 20,500 CUP	Barrel le Trim len Grs. 32.0	ength: 24" egth: 3.240" Maximum I Velocity 1,371 fps	oads Pressure 24,400 CUP
Bullet	Powder Trail Boss AR2207	Bullet Diam. .458"	C.O.L. 3.700" 3.700"	Case: B Twist: 1 Primer: Grs. 29.0 46.0	ell :18" Federal 210N Start loa: Velocity 1,320 fps 1,783 fps	ds Pressure 20,500 CUP 22,500 CUP	Grs. 32.0 49.0	ength: 24" ength: 3.240" Maximum I Velocity 1,371 fps 1,903 fps	oads Pressure 24,400 CUP 27,500 CUP
Bullet	Powder Trail Boss AR2207 AR2219	Bullet Diam458" .458" .458"	C.O.L. 3.700" 3.700"	Case: B Twist: 1 Primer: Grs. 29.0 46.0 50.0	ell :18" Federal 210N Start loa: Velocity 1,320 fps 1,783 fps 1,717 fps	ds Pressure 20,500 CUP 22,500 CUP 21,000 CUP	Grs. 32.0 49.0 53.0	ength: 24" egth: 3.240" Maximum I Velocity 1,371 fps 1,903 fps 1,874 fps	oads Pressure 24,400 CUP 27,500 CUP 27,700 CUP
Bullet	Powder Trail Boss AR2207 AR2219 Bench Mark 2	Bullet Diam458" .458" .458" .458"	C.O.L. 3.700" 3.700" 3.700" 3.700"	Case: B Twist: 1 Primer: Grs. 29.0 46.0 50.0 53.0	ell :18" Federal 210M Start loa Velocity 1,320 fps 1,783 fps 1,717 fps 1,809 fps	Pressure 20,500 CUP 22,500 CUP 21,000 CUP 24,700 CUP	Grs. 32.0 49.0 53.0 57.0	mgth: 24" mgth: 3.240" Maximum I Velocity 1,371 fps 1,903 fps 1,874 fps 1,922 fps	oads Pressure 24,400 CUP 27,500 CUP 27,700 CUP 26,800 CUP
Bullet 350 GR. LY #457122	Powder Trail Boss AR2207 AR2219 Bench Mark 2 AR2206H	Bullet Diam458" .458" .458" .458"	C.O.L. 3.700" 3.700" 3.700" 3.700" 3.700"	Case: B Twist: 1 Primer: Grs. 29.0 46.0 50.0 53.0 59.0	ell :18" Federal 210N Start loa: Velocity 1,320 fps 1,783 fps 1,717 fps 1,809 fps 1,875 fps	ds Pressure 20,500 CUP 22,500 CUP 21,000 CUP 24,700 CUP 24,800 CUP	Grs. 32.0 49.0 53.0 57.0 64.0	Maximum I Velocity 1,371 fps 1,903 fps 1,874 fps 1,922 fps 2,031 fps	0ads Pressure 24,400 CUP 27,500 CUP 27,700 CUP 26,800 CUP 26,900 CUP
Bullet	Powder Trail Boss AR2207 AR2219 Bench Mark 2 AR2206H Trail Boss	Bullet Diam458" .458" .458" .458" .458"	C.O.L. 3.700" 3.700" 3.700" 3.700" 3.700" 3.700"	Case: B Twist: 1 Primer: Grs. 29.0 46.0 50.0 53.0 59.0 26.0	ell :18" Federal 210N Start loa: Velocity 1,320 fps 1,783 fps 1,717 fps 1,809 fps 1,875 fps 1,156 fps	ds Pressure 20,500 CUP 22,500 CUP 21,000 CUP 24,700 CUP 24,800 CUP 18,300 CUP	Grs. 32.0 49.0 53.0 57.0 64.0 30.0	Maximum I Velocity 1,371 fps 1,903 fps 1,874 fps 1,922 fps 2,031 fps 1,252 fps	Oads Pressure 24,400 CUP 27,500 CUP 27,700 CUP 26,800 CUP 26,900 CUP 25,500 CUP
Bullet 350 GR. LY #457122	Powder Trail Boss AR2207 AR2219 Bench Mark 2 AR2206H Trail Boss AR2207	Bullet Diam458" .458" .458" .458" .458" .458" .458"	C.O.L. 3.700" 3.700" 3.700" 3.700" 3.700" 3.730"	Case: B Twist: 1 Primer: Grs. 29.0 46.0 50.0 53.0 59.0 26.0 45.0	ell :18" Federal 210M Start loa: Velocity 1,320 fps 1,783 fps 1,717 fps 1,809 fps 1,875 fps 1,156 fps 1,708 fps	Pressure 20,500 CUP 22,500 CUP 21,000 CUP 24,700 CUP 24,800 CUP 18,300 CUP 24,700 CUP	Grs. 32.0 49.0 53.0 64.0 30.0 48.0	Maximum I Velocity 1,371 fps 1,903 fps 1,874 fps 2,031 fps 1,252 fps 1,818 fps	Pressure 24,400 CUP 27,500 CUP 27,700 CUP 26,800 CUP 26,900 CUP 25,500 CUP 27,200 CUP
Bullet 350 GR. LY #457122	Powder Trail Boss AR2207 AR2219 Bench Mark 2 AR2206H Trail Boss AR2207 AR2219	Bullet Diam458" .458" .458" .458" .458" .458" .458"	C.O.L. 3.700" 3.700" 3.700" 3.700" 3.700" 3.730" 3.730"	Case: B Twist: 1 Primer: Grs. 29.0 46.0 50.0 53.0 59.0 26.0 45.0 49.0	ell :18" Federal 210N Start loa: Velocity 1,320 fps 1,783 fps 1,717 fps 1,809 fps 1,156 fps 1,708 fps 1,665 fps	ds Pressure 20,500 CUP 22,500 CUP 21,000 CUP 24,700 CUP 24,800 CUP 18,300 CUP 24,700 CUP 23,200 CUP	Grs. 32.0 49.0 53.0 64.0 30.0 48.0 52.5	Maximum I Velocity 1,371 fps 1,903 fps 1,874 fps 1,922 fps 2,031 fps 1,252 fps 1,818 fps 1,793 fps	24,400 CUP 27,500 CUP 27,700 CUP 26,800 CUP 26,900 CUP 25,500 CUP 27,200 CUP 27,900 CUP
Bullet 350 GR. LY #457122	Powder Trail Boss AR2207 AR2219 Bench Mark 2 AR2206H Trail Boss AR2207 AR2219 Bench Mark 2	Bullet Diam. .458" .458" .458" .458" .458" .458" .458" .458"	C.O.L. 3.700" 3.700" 3.700" 3.700" 3.730" 3.730" 3.730" 3.730"	Case: B Twist: 1 Primer: Grs. 29.0 46.0 50.0 53.0 59.0 45.0 49.0 53.0	ell :18" Federal 210N Start loa: Velocity 1,320 fps 1,783 fps 1,717 fps 1,809 fps 1,156 fps 1,708 fps 1,665 fps 1,805 fps	ds Pressure 20,500 CUP 21,000 CUP 24,700 CUP 24,800 CUP 18,300 CUP 24,700 CUP 24,700 CUP 24,700 CUP 26,500 CUP	Grs. 32.0 49.0 53.0 57.0 64.0 30.0 48.0 52.5 58.0	Maximum I Velocity 1,371 fps 1,903 fps 1,874 fps 2,031 fps 1,252 fps 1,818 fps 1,793 fps 1,917 fps	24,400 CUP 27,500 CUP 27,700 CUP 26,800 CUP 26,900 CUP 25,500 CUP 27,200 CUP 27,200 CUP 27,200 CUP
Bullet 350 GR. LY #457122	Powder Trail Boss AR2207 AR2219 Bench Mark 2 AR2206H Trail Boss AR2207 AR2219	Bullet Diam458" .458" .458" .458" .458" .458" .458"	C.O.L. 3.700" 3.700" 3.700" 3.700" 3.700" 3.730" 3.730"	Case: B Twist: 1 Primer: Grs. 29.0 46.0 50.0 53.0 59.0 26.0 45.0 49.0	ell :18" Federal 210M Start loa: Velocity 1,320 fps 1,783 fps 1,717 fps 1,809 fps 1,875 fps 1,156 fps 1,708 fps 1,665 fps 1,805 fps 1,849 fps	ds Pressure 20,500 CUP 22,500 CUP 21,000 CUP 24,700 CUP 24,800 CUP 18,300 CUP 24,700 CUP 23,200 CUP	Grs. 32.0 49.0 53.0 64.0 30.0 48.0 52.5	Maximum I Velocity 1,371 fps 1,903 fps 1,874 fps 1,922 fps 2,031 fps 1,252 fps 1,818 fps 1,793 fps	24,400 CUP 27,500 CUP 27,700 CUP 26,800 CUP 26,900 CUP 25,500 CUP 27,200 CUP 27,900 CUP
Bullet 350 GR. LY #457122	Powder Trail Boss AR2207 AR2219 Bench Mark 2 AR2206H Trail Boss AR2207 AR2219 Bench Mark 2 AR2206H	Bullet Diam. .458" .458" .458" .458" .458" .458" .458" .458" .458"	C.O.L. 3.700" 3.700" 3.700" 3.700" 3.730" 3.730" 3.730" 3.730" 3.730"	Case: B Twist: 1 Primer: 29.0 46.0 50.0 53.0 59.0 45.0 49.0 53.0 58.0	ell :18" Federal 210N Start loa Velocity 1,320 fps 1,783 fps 1,717 fps 1,809 fps 1,875 fps 1,156 fps 1,708 fps 1,665 fps 1,849 fps 1,763 fps	ds Pressure 20,500 CUP 22,500 CUP 21,000 CUP 24,700 CUP 24,800 CUP 18,300 CUP 24,700 CUP 23,200 CUP 26,500 CUP 26,000 CUP	Grs. 32.0 49.0 53.0 64.0 30.0 48.0 64.0 64.0	Maximum I Velocity 1,371 fps 1,903 fps 1,874 fps 1,922 fps 2,031 fps 1,252 fps 1,818 fps 1,793 fps 1,917 fps 2,012 fps 1,858 fps	24,400 CUP 27,500 CUP 27,700 CUP 26,800 CUP 26,900 CUP 25,500 CUP 27,200 CUP 27,200 CUP 27,200 CUP 27,200 CUP
Bullet 350 GR. LY #457122 405 GR. LY #457193	Powder Trail Boss AR2207 AR2219 Bench Mark 2 AR2206H Trail Boss AR2207 AR2219 Bench Mark 2 AR2206H AR2208	Bullet Diam458" .458" .458" .458" .458" .458" .458" .458" .458" .458" .458"	C.O.L. 3.700" 3.700" 3.700" 3.700" 3.730" 3.730" 3.730" 3.730" 3.730" 3.730" 3.730"	Case: B Twist: 1 Primer: Grs. 29.0 46.0 50.0 53.0 59.0 45.0 49.0 53.0 58.0 59.0	ell :18" Federal 210N Start loa Velocity 1,320 fps 1,783 fps 1,771 fps 1,809 fps 1,875 fps 1,156 fps 1,708 fps 1,665 fps 1,805 fps	ds Pressure 20,500 CUP 21,000 CUP 24,700 CUP 24,800 CUP 24,800 CUP 24,700 CUP 24,700 CUP 26,500 CUP 26,000 CUP 24,200 CUP	Grs. 32.0 49.0 53.0 57.0 64.0 30.0 48.0 52.5 58.0 64.0 63.0	Maximum I Velocity 1,371 fps 1,903 fps 1,874 fps 1,922 fps 2,031 fps 1,252 fps 1,818 fps 1,793 fps 1,917 fps 2,012 fps	24,400 CUP 27,500 CUP 27,700 CUP 26,800 CUP 26,900 CUP 25,500 CUP 27,200 CUP 27,200 CUP 27,200 CUP 28,300 CUP 28,300 CUP
Bullet 350 GR. LY #457122 405 GR. LY #457193	Powder Trail Boss AR2207 AR2219 Bench Mark 2 AR2206H Trail Boss AR2207 AR2219 Bench Mark 2 AR2206H AR2219 Trail Boss AR2207 AR2219 Trail Boss	Bullet Diam. .458" .458" .458" .458" .458" .458" .458" .458" .458" .458" .458"	C.O.L. 3.700" 3.700" 3.700" 3.700" 3.730" 3.730" 3.730" 3.730" 3.730" 3.730"	Case: B Twist: 1 Primer: Grs. 29.0 46.0 50.0 53.0 59.0 45.0 49.0 53.0 58.0 59.0 26.0	ell :18" Federal 210N Start loa: Velocity 1,320 fps 1,783 fps 1,717 fps 1,809 fps 1,875 fps 1,156 fps 1,708 fps 1,665 fps 1,805 fps 1,849 fps 1,763 fps 1,050 fps 1,523 fps	ds Pressure 20,500 CUP 21,000 CUP 24,700 CUP 24,800 CUP 18,300 CUP 24,700 CUP 24,700 CUP 26,500 CUP 26,500 CUP 26,000 CUP 24,200 CUP 20,100 CUP	Grs. 32.0 49.0 53.0 57.0 64.0 30.0 48.0 52.5 58.0 64.0 63.0 29.0	Maximum I Velocity 1,371 fps 1,903 fps 1,874 fps 2,031 fps 1,252 fps 1,818 fps 1,793 fps 1,917 fps 2,012 fps 1,858 fps 1,105 fps	24,400 CUP 27,500 CUP 27,500 CUP 26,800 CUP 26,900 CUP 25,500 CUP 27,200 CUP 27,200 CUP 27,200 CUP 28,300 CUP 28,300 CUP 24,300 CUP
Bullet 350 GR. LY #457122 405 GR. LY #457193	Powder Trail Boss AR2207 AR2219 Bench Mark 2 AR2206H Trail Boss AR2207 AR2219 Bench Mark 2 AR2206H AR2206H AR2206H AR2208 Trail Boss AR2207	Bullet Diam. .458" .458" .458" .458" .458" .458" .458" .458" .458" .458" .458" .458" .458"	C.O.L. 3.700" 3.700" 3.700" 3.700" 3.730" 3.730" 3.730" 3.730" 3.730" 3.920"	Case: B Twist: 1 Primer: 29.0 46.0 50.0 53.0 59.0 45.0 49.0 53.0 58.0 59.0 26.0 42.0	ell :18" Federal 210N Start loa Velocity 1,320 fps 1,783 fps 1,771 fps 1,809 fps 1,875 fps 1,156 fps 1,708 fps 1,665 fps 1,805 fps	ds Pressure 20,500 CUP 22,500 CUP 21,000 CUP 24,700 CUP 24,700 CUP 24,700 CUP 24,700 CUP 24,700 CUP 26,500 CUP 26,000 CUP 24,200 CUP 20,100 CUP 25,200 CUP	Grs. 32.0 49.0 53.0 57.0 64.0 30.0 64.0 63.0 29.0 46.5	Maximum I Velocity 1,371 fps 1,903 fps 1,874 fps 1,922 fps 2,031 fps 1,252 fps 1,818 fps 1,793 fps 1,917 fps 2,012 fps 1,858 fps 1,105 fps 1,650 fps	24,400 CUP 27,500 CUP 27,700 CUP 26,800 CUP 26,900 CUP 25,500 CUP 27,200 CUP 27,200 CUP 27,200 CUP 28,300 CUP 28,300 CUP 24,300 CUP 28,300 CUP
Bullet 350 GR. LY #457122 405 GR. LY #457193	Powder Trail Boss AR2207 AR2219 Bench Mark 2 AR2206H Trail Boss AR2207 AR2219 Bench Mark 2 AR2206H Trail Boss AR2207 AR2219 AR2206H AR2208 Trail Boss AR2207 AR2219	Bullet Diam458" .458" .458" .458" .458" .458" .458" .458" .458" .458" .458" .458" .458" .458"	C.O.L. 3.700" 3.700" 3.700" 3.700" 3.730" 3.730" 3.730" 3.730" 3.730" 3.920"	Case: B Twist: 1 Primer: Grs. 29.0 46.0 50.0 53.0 59.0 45.0 49.0 53.0 58.0 59.0 26.0 42.0 48.0	ell :18" Federal 210N Start loa Velocity 1,320 fps 1,783 fps 1,717 fps 1,809 fps 1,875 fps 1,156 fps 1,768 fps 1,805 fps 1,805 fps 1,849 fps 1,763 fps 1,050 fps 1,523 fps 1,568 fps	ds Pressure 20,500 CUP 21,000 CUP 24,700 CUP 24,800 CUP 24,800 CUP 24,700 CUP 24,700 CUP 24,700 CUP 26,500 CUP 26,000 CUP 24,200 CUP 20,100 CUP 25,200 CUP 25,400 CUP	Grs. 32.0 49.0 53.0 57.0 64.0 30.0 48.0 52.5 58.0 64.0 63.0 29.0 46.5	Maximum I Velocity 1,371 fps 1,903 fps 1,874 fps 1,922 fps 2,031 fps 1,252 fps 1,818 fps 1,793 fps 1,917 fps 2,012 fps 1,858 fps 1,105 fps 1,650 fps	24,400 CUP 27,500 CUP 27,500 CUP 26,800 CUP 26,900 CUP 25,500 CUP 27,200 CUP 27,200 CUP 27,200 CUP 28,300 CUP 28,300 CUP 28,300 CUP 28,300 CUP

SINGLE ACTION RIFLE

				Case: B	ell		Barrel le	ength: 24"	
50-140 Sharps				Twist: 1	:22"		Trim len	igth: 3.230"	
•				Primer:	Federal 210N	1			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
425 GR. LY #515141	AR2208	.512"	3.800"	95.0	2,127 fps	23,600 CUP	102.5	2,294 fps	28,100 CUP
	AR2209	.512"	3.800"	105.0	2,033 fps	21,600 CUP	114.0	2,242 fps	26,700 CUP
	AR2213SC	.512"	3.800"	118.0	2,079 fps	22,800 CUP	125.0	2,209 fps	26,300 CUP
515 GR. LY #515142	AR2208	.512"	3.750"	87.0	1,958 fps	24,000 CUP	95.0	2,088 fps	27,900 CUP
	AR2209	.512"	3.750"	101.0	1,916 fps	22,000 CUP	108.0	2,091 fps	27,200 CUP
	AR2213SC	.512"	3.750"	112.0	1,956 fps	23,200 CUP	118.0	2,085 fps	27,500 CUP

SINGLE ACTION PISTOL

Case: Federal Barrel length: 5" Twist: 1:16" Trim length: 1.070" 32 H&R Magnum Primer: Federal 100 Start loads Maximum loads **Bullet** Powder Bullet Diam. C.O.L. Grs. Velocity **Pressure** Grs. Velocity **Pressure** 90 GR. HDY LSWC .314" 1.350" 10,700 CUP Trail Boss 24 751 fps 28 785 fps 11.300 CUP **ΔΡ70Ν** .314" 1.350" 8.400 CUP 32 11,500 CUP 30 819 fps 908 fps Case: Remington Barrel length: 5.5" Trim length: 1.305" Twist: 1:20" 32-20 Winchester Primer: Winchester SP Start loads Maximum loads **Bullet** Bullet Diam. C.O.L. Grs. Powder Grs. Velocity Velocity Pressure Pressure 90 GR. CAST LRNFP Trail Boss .314" 1.490" 2.5 785 fps 11,400 CUP 2.8 830 fps 13,900 CUP 115 GR. CAST LRNFP .314" 2.2 11,300 CUP Trail Boss 1.580" 642 fps 2.5 707 fps 15,300 CUP AP70N .314" 1.580" 3.0 808 fps 14.200 CUP 3.2 869 fps 16.000 CUP Case: Winchester Barrel length: 7.7" Twist: 1:18.75" Trim length: 1.145" 38 Special Primer: Winchester SP NOTE: See Single Action Pistol section for more loads with lead bullets. Start loads Maximum loads **Bullet** Powder Bullet Diam. C.O.L. Grs. Velocity Pressure Grs. Velocity **Pressure** 7.900 PSI 90 GR. CAST LRNFP AS30N 1 325" 25 11.400 PSI 359 705 fps 30 938 fps Trail Boss .359" 1.325" 3.0 740 fps 7.800 PSI 8.100 PSI 50 904 fps 125 GR. CAST LRNFP AS30N 1.445" 2.5 810 fps 8,400 CUP 3.5 16,900 CUP .358' 978 fps 11,600 PSI 13,400 PSI Trail Boss .358' 1.445" 3.0 753 fps 5.3 952 fps AP70N 1.445" 4.3 8,700 CUP 16,800 CUP 358' 872 fps 47 1,036 fps 130 GR. MEI CAST LRNFP AS30N .358" 1.460" 3.0 828 fps 12,500 PSI 924 fps 16,100 PSI AP70N .358' 1.460" 4.7 957 fps 13,500 PSI 5.2 1,056 fps 16,000 PSI 135 GR. CAST LRNFP

1.418"

1 278"

1.418"

1.475"

1.475"

1.470"

1.475"

2.6

28

4.1

2.8

2.7

3.2

3.5

767 fps

645 fps

924 fps

812 fps

661 fps

660 fps

11,400 CUP

9.450 PSI

13,400 CUP

12,900 CUP

11.400 PSI

8,200 PSI

9,600 CUP

3.3

35

4.6

3.1

4.2

3.8

4.5

910 fps

845 fps

1,025 fps

871 fps

804 fps

800 fps

974 fps

16,200 CUP

16,850 PSI

16,900 CUP

15,100 CUP

13.700 PSI

16,600 PSI

16,700 CUP

.358"

358'

.358"

.358'

.357"

.358"

.358"

135 GR. LEAD WC *

135 GR, CAST LRNFP

158 GR. CAST LSWC

158 GR. CAST LSWC *

158 GR. CAST LSWC

AS30N

AP50N

AP70N

AS30N

AP50N

AP70N

Trail Boss

^{* 4&}quot; Vented Barrel

SINGLE ACTION PISTOL

				Case: W	/inchester		Barrel le	ength: 10"	
357 Magnum				Twist: 1	:18.75"		Trim len	ngth: 1.285"	
				Primer:	Winchester S	PM			
					Start load	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
90 GR. CAST LRNFP	AS30N	.359"	1.560"	2.7	780 fps	6,000 CUP	3.5	1,106 fps	12,500 CUP
	Trail Boss	.359"	1.560"	3.5	969 fps	6,800 CUP	5.0	1,121 fps	10,700 CUP
125 GR. CAST LRNFP	AS30N	.358"	1.580"	3.5	984 fps	11,900 CUP	5.3	1,260 fps	33,000 CUP
	Trail Boss	.358"	1.580"	3.5	874 fps	14,900 CUP	5.3	1,035 fps	17,900 CUP
	AP70N	.358"	1.580"	4.8	1,046 fps	11,000 CUP	6.8	1,401 fps	34,200 CUF
135 GR. CAST LRNFP	AS30N	.358"	1.580"	3.4	914 fps	12,200 CUP	5.1	1,207 fps	30,200 CUF
135 GR. CAST LWC *	AP50N	.358"	-	4.0	870 fps	16,700 PSI	5.2	1,065 fps	31,900 PSI
135 GR. CAST LRNFP	AP70N	.358"	1.580"	4.8	986 fps	11,700 CUP	6.5	1,314 fps	27,800 CUF
158 GR. CAST LSWC	AS30N	.358"	1.610"	3.2	867 fps	14,400 CUP	4.6	1,079 fps	33,600 CUF
	Trail Boss	.357"	1.610"	3.2	754 fps	16,500 CUP	4.2	865 fps	20,400 CUF
158 GR. CAST LSWC *	AP50N	.358"	1.610"	5.0	925 fps	21,800 PSI	5.8	1,030 fps	33,000 PSI
158 GR. CAST LSWC	AP70N	.358"	1.610"	4.0	890 fps	15,700 CUP	6.2	1,247 fps	33,400 CUF
* (11) () 15 1						•			
* 4" Vented Barrel									
* 4" Vented Barrel									
* 4" Vented Barrel				Case: W	/inchester		Barrel le	ength: 5.5"	
*4" Vented Barrel 38-40 Winchester				Case: W				ength: 5.5" ngth: 1.295"	
				Twist: 1		o.		•	
				Twist: 1	:36"			•	oads
38-40 Winchester	Powder	Bullet Diam.	C.O.L.	Twist: 1	:36" Winchester Li			ngth: 1.295"	oads Pressure
38-40 Winchester Bullet	Powder AS30N	Bullet Diam.	C.O.L. 1.600"	Twist: 1 Primer:	:36" Winchester Li Start load	ds	Trim len	ngth: 1.295" Maximum I	Pressure
				Twist: 1 Primer: Grs.	36" Winchester Li Start load Velocity	ds Pressure	Trim len	Maximum I	1
38-40 Winchester Bullet 140 GR. CAST LRNFP	AS30N	.401"	1.600"	Twist: 1 Primer: Grs. 4.0	Winchester LF Start load Velocity 778 fps	Pressure 4,900 PSI	Grs.	Maximum I Velocity 960 fps	Pressure 10,100 PSI
38-40 Winchester Bullet 140 GR. CAST LRNFP	AS30N AS30N	.401"	1.600" 1.600"	Twist: 1 Primer: Grs. 4.0 4.7	Winchester LI Start load Velocity 778 fps 760 fps	Pressure 4,900 PSI 8,700 PSI	Grs. 5.0 5.5	Maximum I Velocity 960 fps 889 fps	Pressure 10,100 PSI 13,500 PSI
38-40 Winchester Bullet 140 GR. CAST LRNFP	AS30N AS30N Trail Boss	.401" .401" .401"	1.600" 1.600" 1.600"	Twist: 1 Primer: Grs. 4.0 4.7 4.5 6.9	Winchester Li Start load Velocity 778 fps 760 fps 694 fps 813 fps	Pressure 4,900 PSI 8,700 PSI 7,300 PSI	Grs. 5.0 5.5 5.5 7.5	Maximum I Velocity 960 fps 889 fps 800 fps 955 fps	Pressure 10,100 PSI 13,500 PSI 9,900 PSI
38-40 Winchester Bullet 140 GR. CAST LRNFP 180 GR. CAST LRNFP	AS30N AS30N Trail Boss	.401" .401" .401"	1.600" 1.600" 1.600"	Twist: 1 Primer: Grs. 4.0 4.7 4.5 6.9 Case: S	Winchester Li Start load Velocity 778 fps 760 fps 694 fps 813 fps tarline	Pressure 4,900 PSI 8,700 PSI 7,300 PSI	Grs. 5.0 5.5 5.5 7.5 Barrel le	Maximum II Velocity 960 fps 889 fps 800 fps 955 fps	Pressure 10,100 PSI 13,500 PSI 9,900 PSI
38-40 Winchester Bullet 140 GR. CAST LRNFP 180 GR. CAST LRNFP	AS30N AS30N Trail Boss	.401" .401" .401"	1.600" 1.600" 1.600"	Twist: 1 Primer: Grs. 4.0 4.7 4.5 6.9 Case: S Twist: 1	Winchester LI Start load Velocity 778 fps 760 fps 694 fps 813 fps tarline	Pressure 4,900 PSI 8,700 PSI 7,300 PSI 8,200 PSI	Grs. 5.0 5.5 5.5 7.5 Barrel le	Maximum I Velocity 960 fps 889 fps 800 fps 955 fps	Pressure 10,100 PSI 13,500 PSI 9,900 PSI
38-40 Winchester Bullet 140 GR. CAST LRNFP	AS30N AS30N Trail Boss	.401" .401" .401"	1.600" 1.600" 1.600"	Twist: 1 Primer: Grs. 4.0 4.7 4.5 6.9 Case: S Twist: 1	Winchester Li Start load Velocity 778 fps 760 fps 694 fps 813 fps tarline :20" Winchester Li	Pressure 4,900 PSI 8,700 PSI 7,300 PSI 8,200 PSI	Grs. 5.0 5.5 5.5 7.5 Barrel le	Maximum I Velocity 960 fps 889 fps 800 fps 955 fps ength: 5" ngth: 0.960"	Pressure 10,100 PSI 13,500 PSI 9,900 PSI 11,900 PSI
38-40 Winchester Bullet 140 GR. CAST LRNFP 180 GR. CAST LRNFP	AS30N AS30N Trail Boss AP70N	.401" .401" .401" .401"	1.600" 1.600" 1.600" 1.600"	Twist: 1 Primer: Grs. 4.0 4.7 4.5 6.9 Case: S Twist: 1 Primer:	Winchester LI Start load Velocity 778 fps 760 fps 694 fps 813 fps tarline :20" Winchester LI Start load	Pressure 4,900 PSI 8,700 PSI 7,300 PSI 8,200 PSI	Grs. 5.0 5.5 7.5 Barrel le	Maximum I Velocity 960 fps 889 fps 800 fps 955 fps ength: 5" ength: 0.960" Maximum I	Pressure 10,100 PSI 13,500 PSI 9,900 PSI 11,900 PSI
38-40 Winchester Bullet 140 GR. CAST LRNFP 180 GR. CAST LRNFP 44 Russian Bullet	AS30N AS30N Trail Boss AP70N Powder	.401" .401" .401" .401"	1.600" 1.600" 1.600" 1.600"	Twist: 1 Primer: Grs. 4.0 4.7 4.5 6.9 Case: S Twist: 1 Primer:	Winchester Life Start load Velocity 778 fps 760 fps 694 fps 813 fps tarline :20" Winchester Life Start load Velocity	Pressure 4,900 PSI 8,700 PSI 7,300 PSI 8,200 PSI Pressure	Grs. 5.0 5.5 7.5 Barrel le	Maximum I Velocity 960 fps 889 fps 800 fps 955 fps ength: 5" ngth: 0.960" Maximum II Velocity	Pressure 10,100 PSI 13,500 PSI 9,900 PSI 11,900 PSI oads Pressure
38-40 Winchester Bullet 140 GR. CAST LRNFP 180 GR. CAST LRNFP 44 Russian Bullet	AS30N AS30N Trail Boss AP70N Powder AS30N	.401" .401" .401" .401" Bullet Diam.	1.600" 1.600" 1.600" 1.600"	Twist: 1 Primer: Grs. 4.0 4.7 4.5 6.9 Case: S Twist: 1 Primer: Grs. 3.0	Winchester Li Start load Velocity 778 fps 760 fps 694 fps 813 fps tarline :20" Winchester Li Start load Velocity 776 fps	### Pressure ### 4,900 PSI ### 8,700 PSI ### 7,300 PSI ### 8,200 PSI ###	Grs. 5.0 5.5 7.5 Barrel le Trim len	Maximum I Velocity 960 fps 889 fps 800 fps 955 fps ength: 5" ength: 0.960" Maximum I Velocity 979 fps	Pressure 10,100 PSI 13,500 PSI 9,900 PSI 11,900 PSI oads Pressure 11,100 CUF
38-40 Winchester Bullet 140 GR. CAST LRNFP 180 GR. CAST LRNFP 44 Russian Bullet	AS30N AS30N Trail Boss AP70N Powder AS30N Trail Boss	.401" .401" .401" .401"	1.600" 1.600" 1.600" 1.600" 1.600"	Twist: 1 Primer: Grs. 4.0 4.7 4.5 6.9 Case: S Twist: 1 Primer:	Winchester LI Start load Velocity 778 fps 760 fps 694 fps 813 fps tartine :20" Winchester LI Start load Velocity 776 fps 742 fps	Pressure 4,900 PSI 8,700 PSI 7,300 PSI 8,200 PSI 8,200 PSI Pressure 7,300 CUP 7,600 CUP	Grs. 5.0 5.5 7.5 Barrel le	Maximum II Velocity 960 fps 889 fps 800 fps 955 fps ength: 5" egth: 0.960" Maximum II Velocity 979 fps 878 fps	Pressure 10,100 PSI 13,500 PSI 9,900 PSI 11,900 PSI oads Pressure 11,100 CUF
38-40 Winchester Bullet 140 GR. CAST LRNFP 180 GR. CAST LRNFP 44 Russian Bullet 165 GR. LRNFP	AS30N AS30N Trail Boss AP70N Powder AS30N	.401" .401" .401" .401" Bullet Diam.	1.600" 1.600" 1.600" 1.600"	Twist: 1 Primer: Grs. 4.0 4.7 4.5 6.9 Case: S Twist: 1 Primer: Grs. 3.0	Winchester Li Start load Velocity 778 fps 760 fps 694 fps 813 fps tarline :20" Winchester Li Start load Velocity 776 fps	### Pressure ### 4,900 PSI ### 8,700 PSI ### 7,300 PSI ### 8,200 PSI ###	Grs. 5.0 5.5 7.5 Barrel le Trim len	Maximum I Velocity 960 fps 889 fps 800 fps 955 fps ength: 5" ength: 0.960" Maximum I Velocity 979 fps	Pressure 10,100 PSI 13,500 PSI 9,900 PSI 11,900 PSI oads Pressure 11,100 CUF
38-40 Winchester Bullet 140 GR. CAST LRNFP 180 GR. CAST LRNFP 44 Russian Bullet 165 GR. LRNFP	AS30N AS30N Trail Boss AP70N Powder AS30N Trail Boss	.401" .401" .401" .401" .401" .401" .401"	1.600" 1.600" 1.600" 1.600" 1.600"	Twist: 1 Primer: Grs. 4.0 4.7 4.5 6.9 Case: S Twist: 1 Primer: Grs. 3.0 3.3	Winchester LI Start load Velocity 778 fps 760 fps 694 fps 813 fps tartine :20" Winchester LI Start load Velocity 776 fps 742 fps	Pressure 4,900 PSI 8,700 PSI 7,300 PSI 8,200 PSI 8,200 PSI Pressure 7,300 CUP 7,600 CUP	Grs. 5.0 5.5 7.5 Barrel let Trim len Grs. 4.0 4.5	Maximum II Velocity 960 fps 889 fps 800 fps 955 fps ength: 5" egth: 0.960" Maximum II Velocity 979 fps 878 fps	Pressure 10,100 PSI 13,500 PSI 9,900 PSI 11,900 PSI 0ads Pressure 11,100 CUF 11,100 CUF
38-40 Winchester Bullet 140 GR. CAST LRNFP 180 GR. CAST LRNFP 44 Russian Bullet 165 GR. LRNFP	AS30N AS30N Trail Boss AP70N Powder AS30N Trail Boss AS30N	.401" .401" .401" .401" .401" .401" .401" .430" .430"	1.600" 1.600" 1.600" 1.600" 1.600" C.O.L. 1.165" 1.165" 1.245"	Twist: 1 Primer: Grs. 4.0 4.7 4.5 6.9 Case: S Twist: 1 Primer: Grs. 3.0 3.3 3.2	Winchester LI Start load Velocity 778 fps 760 fps 694 fps 813 fps tarline 20" Winchester LI Start load Velocity 776 fps 742 fps 747 fps	Pressure 4,900 PSI 8,700 PSI 7,300 PSI 8,200 PSI 8,200 PSI Pressure 7,300 CUP 7,600 CUP 8,000 CUP	Grs. 5.0 5.5 7.5 Barrel let Trim len Grs. 4.0 4.5 3.7	Maximum I Velocity 960 fps 889 fps 800 fps 955 fps 955 fps ength: 5" egth: 0.960" Maximum I Velocity 979 fps 878 fps 837 fps	Pressure 10,100 PSI 13,500 PSI 9,900 PSI 11,900 PSI Pressure 11,100 CUF 11,600 CUF 10,400 CUF
38-40 Winchester Bullet 140 GR. CAST LRNFP 180 GR. CAST LRNFP 44 Russian Bullet 165 GR. LRNFP 200 GR. LRNFP	AS30N AS30N Trail Boss AP70N Powder AS30N Trail Boss AS30N Trail Boss AS30N Trail Boss	.401" .401" .401" .401" .401" .401" .401" .401" .401" .401"	1.600" 1.600" 1.600" 1.600" 1.600" 1.600" 1.605" 1.165" 1.245"	Twist: 1 Primer: Grs. 4.0 4.7 4.5 6.9 Case: S Twist: 1 Primer: Grs. 3.0 3.3 3.2 3.0	Winchester Li Start load Velocity 778 fps 760 fps 694 fps 813 fps tarline :20" Winchester Li Start load Velocity 776 fps 742 fps 747 fps 647 fps	### Pressure ### 4,900 PSI ### 8,700 PSI ### 7,300 PSI ### 8,200 PSI ### 8,200 PSI ### 8,200 CUP ### 7,600 CUP ### 8,000 CUP ### 7,900 CUP	Grs. 5.0 5.5 7.5 Barrel le Trim len Grs. 4.0 4.5 3.7 3.9	Maximum II Velocity 960 fps 889 fps 800 fps 955 fps ength: 5" ength: 0.960" Maximum II Velocity 979 fps 878 fps 837 fps 747 fps	Pressure 10,100 PSI 13,500 PSI 9,900 PSI 11,900 PSI 11,900 PSI Pressure 11,100 CUF 11,600 CUF 11,600 CUF 11,500 CUF
38-40 Winchester Bullet 140 GR. CAST LRNFP 180 GR. CAST LRNFP	AS30N AS30N Trail Boss AP70N Powder AS30N Trail Boss AS30N Trail Boss AS30N Trail Boss AP70N	.401" .401" .401" .401" .401" .401" .401" .401" .401" .401" .430" .430" .430" .430"	1.600" 1.600" 1.600" 1.600" 1.600" 1.600" 1.605" 1.165" 1.245" 1.245"	Twist: 1 Primer: Grs. 4.0 4.7 4.5 6.9 Case: S Twist: 1 Primer: Grs. 3.0 3.3 3.2 3.0 4.8	Winchester LI Start load Velocity 778 fps 760 fps 694 fps 813 fps tartine :20" Winchester LI Start load Velocity 776 fps 742 fps 747 fps 647 fps 816 fps	Pressure 4,900 PSI 8,700 PSI 7,300 PSI 8,200 PSI 8,200 PSI Pressure 7,300 CUP 7,600 CUP 8,000 CUP 8,100 CUP	Grs. 5.5 7.5 Barrel le Trim len 4.5 3.7 3.9 5.7	Maximum I Velocity 960 fps 889 fps 800 fps 955 fps ength: 5" ngth: 0.960" Maximum I Velocity 979 fps 878 fps 837 fps 747 fps 970 fps	Pressure 10,100 PSI 13,500 PSI 9,900 PSI 11,900 PSI

SINGLE ACTION PISTOL

				Case: S	Starline		Barrel le	ength: 8"		
44 S&W Special				Twist: 1				ngth: 1.155"		
44 SXVV Special					Winchester L	D		.g		
				i illinoi.				Massimasuma	aada	
Dullet	Davidan	Dullet Diese	601	C	Start loa	- 	0	Maximum I	1	
Bullet	Powder AS30N	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure	
165 GR. CAST LRNFP	Trail Boss	.430"	1.365"	3.6	836 fps 865 fps	6,000 CUP	4.6	1,009 fps	13,400 CUP	
	AP70N	.430"	1.365" 1.365"	4.8	•	10,700 CUP	7.0	1,005 fps	12,100 CUP	
185 GR. CAST LRNFP	AS30N	.430"	1.400"	5.5	851 fps 810 fps	5,700 CUP 7,800 CUP	6.3	1,042 fps 930 fps	10,900 CUP 13,200 CUP	
100 GR. CAST LRIVE	Trail Boss	.430"	1.400"	4.5	791 fps	10,400 CUP	6.6	930 lps 944 fps	12,600 CUP	
	AP70N	.430"	1.400"	5.4	823 fps	7,700 CUP	6.4	1,031 fps	13,900 CUP	
200 GR. CAST LRNFP	AS30N	.430"	1.450"	3.5	748 fps	7,700 CUP	4.5	891 fps	14,000 CUP	
200 GIV. CAST LIVIT	Trail Boss	.430"	1.450"	4.3	757 fps	8,700 CUP	6.3	885 fps	13,200 CUP	
	AP70N	.430"	1.450"	5.5	802 fps	8,200 CUP	6.5	960 fps	12,900 CUP	
	AR2205	.430"	1.450"	13.0	879 fps	8,600 CUP	15.0	1,051 fps	13,100 CUP	
240 GR. CAST LSWC	AS30N	.430"	1.450"	3.2	669 fps	9,000 CUP	4.0	771 fps	13,500 CUP	
20110	Trail Boss	.430"	1.450"	4.0	673 fps	9,700 CUP	5.2	763 fps	11,700 CUP	
	AP70N	.430"	1.450"	4.9	721 fps	8,000 CUP	5.6	873 fps	13,300 CUP	
	74 7014	. 100	1.100	1.0	7211po	0,000 001			10,000 001	
					Vinchester			ength: 6"		
44-40 Winchester				Twist: 1	:36"		Trim ler	ngth: 1.295"		
				Primer:	Winchester L	P				
					Start loa	ds	Maximum loads			
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure	
160 GR. CAST LFP	AS30N	.430"	1.600"	4.2	747 fps	7,400 PSI	5.5	916 fps	12,700 PSI	
200 GR. CAST LRNFP	AS30N	.430"	1.600"	4.2	648 fps	8,200 PSI	5.0	765 fps	11,700 PSI	
	Trail Boss	.430"	1.600"	5.5	723 fps	7,800 PSI	6.5	826 fps	11,900 PSI	
	AP70N	.430"	1.600"	6.6	722 fps	10,000 PSI	7.3	777 fps	11,100 PSI	
200 GR. CAST LSWC	AP50N	.428"	1.620"	5.5	755 fps	4,200 PSI	6.5	920 fps	8,900 PSI	
215 GR. CAST LSWC	AP50N	.428"	1.620"	5.3	765 fps	4,450 PSI	6.4	940 fps	13,800 PSI	
				Case: V	Vinchester		Barrel le	ength: 8.275"		
44 Remington Magr	num			Twist: 1	:20"		Trim ler	ngth: 1.280"		
3-3-3-3				Primer:	Remington 2	1/2				
					Start loa	ds		Maximum I	oads	
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure	
165 GR. LRNFP CAST	AS30N	.430"	1.500"	4.4	910 fps	8,500 CUP	5.5	1,064 fps	15,500 CUP	
	Trail Boss	.430"	1.500"	6.0	960 fps	17,200 PSI	8.0	1,086 fps	18,800 PSI	
	AP70N	.430"	1.500"	6.5	918 fps	7,700 CUP	7.2	1,059 fps	11,500 CUP	
185 GR. LRNFP CAST	AS30N	.430"	1.540"	4.2	839 fps	8,900 CUP	6.0	1,043 fps	18,400 CUP	
	Trail Boss	.430"	1.540"	6.2	936 fps	19,500 PSI	7.8	1,050 fps	21,100 PSI	
	AP70N	.430"	1.540"	6.4	919 fps	8,400 CUP	7.4	1,070 fps	12,600 CUP	
200 GR. LRNFP CAST	AS30N	.430"	1.570"	4.2	785 fps	8,500 CUP	6.4	1,028 fps	20,200 CUP	
	Trail Boss	.430"	1.570"	6.1	890 fps	17,900 PSI	7.7	988 fps	20,700 PSI	
		400"	1.570"	6.8	897 fps	10,500 CUP	7.8	1,045 fps	15,400 CUP	
	AP70N	.430"	1.570	0.0						
230 GR. LSWC	AP70N AP50N	.430"	1.614"	5.5	835 fps	15,300 PSI	8.5	1,130 fps	32,000 PSI	
230 GR. LSWC 240 GR. LSWC CAST					835 fps 759 fps	15,300 PSI 14,000 CUP	8.5 6.2	1,130 fps 940 fps	32,000 PSI 21,800 CUP	
	AP50N	.430"	1.614"	5.5				•		

AP100

SINGLE ACTION PISTOL

				Case: Starline Barrel length: 5"					
45 S&W (Schofield)				Twist: 1	:16"		Trim len	igth: 1.095"	
(= = = = = = = = = = = = = = = = = = =				Primer:	Winchester LI	P			
					Start loa	ds		Maximum I	oads
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
200 GR. LRNFP	AS30N	.452"	1.430"	4.0	733 fps	8,300 CUP	5.0	845 fps	13,100 CUF
	Trail Boss	.452"	1.430"	4.0	684 fps	9,000 CUP	5.0	791 fps	13,200 CUF
	AP70N	.452"	1.430"	6.0	773 fps	9,100 CUP	7.0	938 fps	13,100 CUF
230 GR. LRNFP	AS30N	.452"	1.430"	4.0	697 fps	9,400 CUP	4.7	783 fps	13,600 CUF
	Trail Boss	.452"	1.430"	4.0	649 fps	9,000 CUP	5.0	739 fps	13,000 CUF
	AP70N	.452"	1.430"	5.5	738 fps	9,400 CUP	6.0	816 fps	11,400 CUF
250 GR. LRNFP	AS30N	.452"	1.430"	4.0	674 fps	11,000 CUP	4.2	710 fps	12,500 CUF
	Trail Boss	.452"	1.430"	3.5	537 fps	7,300 CUP	4.8	685 fps	13,200 CUF
	AP70N	.452"	1.430"	6.0	724 fps	9,900 CUP	6.3	830 fps	13,800 CUF
				Case: V	Vinchester		Barrel le	ength: 7.26"	
45 Colt				Twist: 1	:16"		Trim len	igth: 1.280"	
40 OOK				Primer:	Winchester LI	P			
				Primer: Winchester LP Start loads			Maximum loads		
Bullet	Powder	Bullet Diam.	C.O.L.	Grs.	Velocity	Pressure	Grs.	Velocity	Pressure
160 GR. CAST LRNFP	AS30N	.452"	1.500"	5.0	907 fps	7,500 CUP	6.4	1,083 fps	13,500 CUF
	Trail Boss	.452"	1.500"	7.0	903 fps	8,100 PSI	8.5	1,018 fps	10,800 PSI
	AP70N	.452"	1.500"	6.5	798 fps	7,400 CUP	9.5	1,197 fps	12,900 CUF
180 GR. CAST LRNFP	AS30N	.452"	1.540"	4.8	840 fps	7,900 CUP	6.0	1,016 fps	13,800 CUI
	Trail Boss	.452"	1.540"	6.0	818 fps	9,400 PSI	7.3	935 fps	12,700 PS
	AP70N	.452"	1.540"	6.5	791 fps	7,100 CUP	9.2	1,161 fps	13,900 CUI
200 GR. CAST LRNFP	AS30N	.452"	1.600"	4.6	777 fps	5,900 CUP	5.9	931 fps	13,100 CUF
	Trail Boss	.452"	1.600"	5.5	706 fps	8,000 PSI	6.5	855 fps	11,000 PS
200 GR. CAST LSWC	AP50N	.452"	1.639"	5.5	750 fps	7,600 PSI	7.0	995 fps	12.300 PS
200 GR. CAST LRNFP	AP70N	.452"	1.600"	6.4	749 fps	5.700 CUP	8.8	1,067 fps	13,600 CUF
215 GR. CAST LRNFP	AS30N	.452"	1.650"	4.6	754 fps	6,400 CUP	5.7	889 fps	13,400 CUF
	Trail Boss	.452"	1.650"	5.5	725 fps	8,100 PSI	6.5	820 fps	10,300 PS
	AP70N	.452"	1.650"	6.8	777 fps	6,300 CUP	8.6	1,001 fps	13,800 CUI
230 GR. CAST LRNFP	AS30N	.452"	1.580"	4.4	734 fps	7,600 CUP	5.4	865 fps	13,900 CUI
		.452"	1.580"	5.5	685 fps	9,100 PSI	6.5	802 fps	12,400 PS
	Trail Boss	.432			1	,	1		,
		.452"		6.5	761 fps	7,600 CUP	8.1	975 fps	13,800 CUI
250 GR. CAST LRNFP	Trail Boss AP70N AS30N		1.580"	6.5 4.2	761 fps 713 fps	7,600 CUP 8,500 CUP		975 fps 817 fps	•
250 GR. CAST LRNFP	AP70N	.452"		4.2	761 fps 713 fps 606 fps	8,500 CUP	5.1	817 fps	13,400 CUI
250 GR. CAST LRNFP	AP70N AS30N	.452" .452"	1.580" 1.600"		713 fps	•			13,800 CUF 13,400 CUF 12,700 PSI 13,000 CUF

.452"

1.622"

11.0

835 fps

10,800 PSI

975 fps

16,700 PSI

SINGLE ACTION SHOTGUN

28g (1 oz)	<u> </u>				
Powder	Weight (grains)	Pressure	Velocity	Wad type	Primer type
AS30N	16.8	6,600 lup	1,125 fps	Rem. TGT 12	Rem. 209P
	15.7	7,100 lup	1,125 fps	WAA12SL	WIN209
	17.9	7,400 lup	1,180 fps	Rem. TGT 12	Rem. 209P
	17.0	8,200 lup	1,180 fps	WAA12SL	WIN209
	18.9	8,100 lup	1,235 fps	Rem. TGT 12	Rem. 209P
	18.4	9,500 lup	1,235 fps	WAA12SL	WIN209
	19.9	8,800 lup	1,290 fps	Rem. TGT 12	Rem. 209P
	19.8	10,700 lup	1,290 fps	WAA12SL	WIN209
AS50N	20.2	6,800 lup	1,125 fps	Rem. TGT 12	Rem. 209P
	18.4	7,100 lup	1,125 fps	WAA12SL	WIN209
	20.9	7,700 lup	1,180 fps	Rem. TGT 12	Rem. 209P
	20.1	8,600 lup	1,180 fps	WAA12SL	WIN209
	21.4	8,900 lup	1,235 fps	Rem. TGT 12	Rem. 209P
	21.0	10,000 lup	1,235 fps	WAA12SL	WIN209
32g (1 1/8 oz) Powder	Weight (grains)	Pressure	Velocity	Wad type	Primer type
AS30N	16.9	6,900 lup	1,090 fps	Rem. Fig 8	Rem. 209P
ASSUN	16.6	6,400 lup	1,090 fps	Windjammer	CCI209
	18.0	7,900 lup	1,145 fps	Rem. Fig 8	Rem. 209P
	18.0	7,500 lup	1,145 fps	Windjammer	CCI209
	19.2	9,000 lup	1,200 fps	Rem. Fig 8	Rem. 209P
	19.4	8,600 lup	1,200 fps	Windjammer	CCI209
AS50N	18.6	6,400 lup	1,090 fps	Rem. Fig 8	Rem. 209P
	18.3	7,000 lup	1,090 fps	WAA12	Rem. 209P
	19.2	6,100 lup	1,090 fps	Windjammer	CCI209
	19.6	7,000 lup	1,145 fps	Rem. Fig 8	Rem. 209P
	18.8	7,600 lup	1,145 fps	WAA12	Rem. 209P
	19.8	6,500 lup	1,145 fps	Windjammer	CCI209
	20.9	7,500 lup	1,200 fps	Rem. Fig 8	Rem. 209P
	19.7	8,700 lup	1,200 fps	WAA12	Rem. 209P
	21.2	7,500 lup	1,200 fps	Windjammer	CCI209
	21.7	9,100 lup	1,255 fps	Rem. Fig 8	Rem. 209P
	20.9	10,400 lup	1,255 fps	WAA12	Rem. 209P
	22.3	8,300 lup	1,255 fps	Windjammer	CCI209
AP70N	22.5	8,900 PSI	1,200 fps	Rem. Fig 8	WIN209
	21.5	9,800 PSI	1,200 fps	WAA12	WIN209
	23.2	8,400 PSI	1,200 fps	Windjammer	CCI209
	-	9,900 PSI	1,255 fps	Rem. Fig 8	WIN209
	23.7	9,9001 31			
	23.7 23.0	10,700 PSI	1,255 fps	WAA12	WIN209
				WAA12 Windjammer	WIN209 CCl209
	23.0	10,700 PSI	1,255 fps		

SINGLE ACTION SHOTGUN

28g (1 oz)					
Powder	Weight (grains)	Pressure	Velocity	Wad type	Primer type
AS30N	17.6	6,400 lup	1,125 fps	Purple PC	Rem. 209P
	16.6	6,700 lup	1,125 fps	Rem. TGT 12	CCI209
	16.0	7,400 lup	1,125 fps	WAA12SL	WIN209
	18.6	6,800 lup	1,180 fps	Purple PC	Rem. 209P
	17.7	7,700 lup	1,180 fps	Rem. TGT 12	CCI209
	17.2	8,300 lup	1,180 fps	WAA12SL	WIN209
	19.5	7,200 lup	1,235 fps	Purple PC	Rem. 209P
	18.7	8,500 lup	1,235 fps	Rem. TGT 12	CCI209
	18.5	9,200 lup	1,235 fps	WAA12SL	WIN209
	20.5	7,600 lup	1,290 fps	Purple PC	Rem. 209P
	19.8	9,500 lup	1,290 fps	Rem. TGT 12	CCI209
	19.8	10,200 lup	1,290 fps	WAA12SL	WIN209
AS50N	20.8	5,900 lup	1,125 fps	Rem. TGT 12	Rem. 209P
	19.2	6,700 lup	1,125 fps	WAA12SL	CCI209
	18.9	6,900 lup	1,125 fps	WAA12SL	WIN209
	21.5	7,100 lup	1,180 fps	Rem. TGT 12	Rem. 209P
	20.6	7,500 lup	1,180 fps	WAA12SL	CCI209
	20.4	8,300 lup	1,180 fps	WAA12SL	WIN209
	22.3	7,800 lup	1,235 fps	Rem. TGT 12	Rem. 209P
	22.3	8,800 lup	1,235 fps	WAA12SL	CCI209
	21.3	8,900 lup	1,235 fps	WAA12SL	WIN209
	%" Winchester Compres	·	•		
32g (1 1/8 oz)	/ ₄ " Winchester Compres	ssion-Formed AA Ty	rpe Shells		
32g (1 1/8 oz) Powder	/4" Winchester Compres Weight (grains)	Pressure	vpe Shells Velocity	Wad type Red PC	Primer type
32g (1 1/8 oz) Powder	Weight (grains)	Pressure 7,200 lup	Velocity 1,090 fps	Wad type Red PC	Primer type Rem. 209P
32g (1 1/8 oz) Powder	Weight (grains) 17.1 16.0	Pressure 7,200 lup 7,700 lup	Velocity 1,090 fps 1,090 fps	Wad type Red PC Rem. Fig 8	Primer type Rem. 209P WIN209
32g (1 1/8 oz) Powder	Weight (grains)	Pressure 7,200 lup 7,700 lup 7,700 lup	Velocity 1,090 fps 1,090 fps 1,090 fps	Wad type Red PC Rem. Fig 8 WAA12	Primer type Rem. 209P WIN209 WIN209
32g (1 1/8 oz) Powder	Weight (grains) 17.1 16.0 16.1 18.4	Pressure 7,200 lup 7,700 lup 7,800 lup	Velocity 1,090 fps 1,090 fps 1,090 fps 1,090 fps 1,145 fps	Wad type Red PC Rem. Fig 8 WAA12 Red PC	Primer type Rem. 209P WIN209 WIN209 Rem. 209P
32g (1 1/8 oz) Powder	Weight (grains) 17.1 16.0 16.1 18.4 17.0	Pressure 7,200 lup 7,700 lup 7,700 lup	Velocity 1,090 fps 1,090 fps 1,090 fps 1,090 fps 1,145 fps 1,145 fps	Wad type Red PC Rem. Fig 8 WAA12	Primer type Rem. 209P WIN209 WIN209 Rem. 209P WIN209
32g (1 1/8 oz) Powder	Weight (grains) 17.1 16.0 16.1 18.4	Pressure 7,200 lup 7,700 lup 7,800 lup 8,500 lup	Velocity 1,090 fps 1,090 fps 1,090 fps 1,090 fps 1,145 fps	Wad type Red PC Rem. Fig 8 WAA12 Red PC Rem. Fig 8	Primer type Rem. 209P WIN209 WIN209 Rem. 209P
32g (1 1/8 oz) Powder	Weight (grains) 17.1 16.0 16.1 18.4 17.0 17.3	Pressure 7,200 lup 7,700 lup 7,700 lup 7,800 lup 8,500 lup 8,800 lup	Velocity 1,090 fps 1,090 fps 1,090 fps 1,090 fps 1,145 fps 1,145 fps 1,145 fps	Wad type Red PC Rem. Fig 8 WAA12 Red PC Rem. Fig 8 WAA12	Primer type Rem. 209P WIN209 WIN209 Rem. 209P WIN209 WIN209 WIN209
32g (1 1/8 oz) Powder	Weight (grains) 17.1 16.0 16.1 18.4 17.0 17.3 19.6	Pressure 7,200 lup 7,700 lup 7,700 lup 7,800 lup 8,500 lup 8,800 lup 8,400 lup	Velocity 1,090 fps 1,090 fps 1,090 fps 1,090 fps 1,145 fps 1,145 fps 1,145 fps 1,200 fps	Wad type Red PC Rem. Fig 8 WAA12 Red PC Rem. Fig 8 WAA12 Red PC Rem. Fig 8 WAA12 Red PC	Primer type Rem. 209P WIN209 WIN209 Rem. 209P WIN209 WIN209 Rem. 209P
32g (1 1/8 oz) Powder AS30N	Weight (grains) 17.1 16.0 16.1 18.4 17.0 17.3 19.6 18.1 18.2	Pressure 7,200 lup 7,700 lup 7,700 lup 7,800 lup 8,500 lup 8,800 lup 8,400 lup 9,400 lup 9,800 lup	Velocity 1,090 fps 1,090 fps 1,090 fps 1,090 fps 1,145 fps 1,145 fps 1,145 fps 1,200 fps 1,200 fps 1,200 fps	Wad type Red PC Rem. Fig 8 WAA12 Red PC Rem. Fig 8 WAA12 Red PC Rem. Fig 8 Red PC Red PC Rem. Fig 8	Primer type Rem. 209P WIN209 WIN209 Rem. 209P WIN209 WIN209 WIN209 Rem. 209P
32g (1 1/8 oz) Powder AS30N	Weight (grains) 17.1 16.0 16.1 18.4 17.0 17.3 19.6 18.1	Pressure 7,200 lup 7,700 lup 7,800 lup 7,800 lup 8,500 lup 8,800 lup 8,400 lup 9,400 lup	Velocity 1,090 fps 1,090 fps 1,090 fps 1,145 fps 1,145 fps 1,145 fps 1,200 fps 1,200 fps	Wad type Red PC Rem. Fig 8 WAA12	Primer type Rem. 209P WIN209 WIN209 Rem. 209P WIN209 WIN209 WIN209 Rem. 209P WIN209 WIN209
32g (1 1/8 oz) Powder AS30N	Weight (grains) 17.1 16.0 16.1 18.4 17.0 17.3 19.6 18.1 18.2 18.3	Pressure 7,200 lup 7,700 lup 7,700 lup 7,800 lup 8,500 lup 8,800 lup 8,400 lup 9,400 lup 9,800 lup 6,800 lup	Velocity 1,090 fps 1,090 fps 1,090 fps 1,090 fps 1,145 fps 1,145 fps 1,145 fps 1,200 fps 1,200 fps 1,200 fps 1,090 fps	Wad type Red PC Rem. Fig 8 WAA12 Red PC Rem. Fig 8 Red PC	Primer type Rem. 209P WIN209 WIN209 Rem. 209P WIN209 WIN209 WIN209 WIN209 WIN209 WIN209
32g (1 1/8 oz) Powder AS30N	Weight (grains) 17.1 16.0 16.1 18.4 17.0 17.3 19.6 18.1 18.2 18.3 17.6	Pressure 7,200 lup 7,700 lup 7,700 lup 7,800 lup 8,500 lup 8,400 lup 9,400 lup 9,800 lup 6,800 lup	Velocity 1,090 fps 1,090 fps 1,090 fps 1,090 fps 1,145 fps 1,145 fps 1,145 fps 1,200 fps 1,200 fps 1,200 fps 1,200 fps 1,090 fps 1,090 fps	Wad type Red PC Rem. Fig 8 WAA12 Red PC WAA12	Primer type Rem. 209P WIN209 WIN209 Rem. 209P WIN209
32g (1 1/8 oz) Powder AS30N	Weight (grains) 17.1 16.0 16.1 18.4 17.0 17.3 19.6 18.1 18.2 18.3 17.6 18.9 20.1	Pressure 7,200 lup 7,700 lup 7,700 lup 7,800 lup 8,500 lup 8,800 lup 8,400 lup 9,400 lup 9,800 lup 6,800 lup 7,400 lup	Velocity 1,090 fps 1,090 fps 1,090 fps 1,145 fps 1,145 fps 1,145 fps 1,200 fps 1,200 fps 1,200 fps 1,200 fps 1,090 fps 1,090 fps 1,145 fps	Wad type Red PC Rem. Fig 8 WAA12 Red PC Red PC Red PC	Primer type Rem. 209P WIN209 WIN209 Rem. 209P WIN209 WIN209 WIN209 WIN209 WIN209 WIN209 WIN209 WIN209 WIN209 Rem. 209P
22g (1 1/8 oz) Powder AS30N	Weight (grains) 17.1 16.0 16.1 18.4 17.0 17.3 19.6 18.1 18.2 18.3 17.6 18.9 20.1 18.1	Pressure 7,200 lup 7,700 lup 7,700 lup 7,800 lup 8,500 lup 8,800 lup 8,400 lup 9,400 lup 9,800 lup 6,800 lup 7,400 lup 7,200 lup 7,200 lup 6,300 lup	Velocity 1,090 fps 1,090 fps 1,090 fps 1,090 fps 1,145 fps 1,145 fps 1,145 fps 1,200 fps 1,200 fps 1,200 fps 1,090 fps 1,090 fps 1,145 fps 1,145 fps 1,145 fps 1,145 fps 1,145 fps	Wad type Red PC Rem. Fig 8 WAA12 Red PC WAA12 Red PC Rem. Fig 8	Primer type Rem. 209P WIN209 WIN209 Rem. 209P WIN209
32g (1 1/8 oz) Powder AS30N	Weight (grains) 17.1 16.0 16.1 18.4 17.0 17.3 19.6 18.1 18.2 18.3 17.6 18.9 20.1 18.1 20.2	Pressure 7,200 lup 7,700 lup 7,700 lup 7,800 lup 8,500 lup 8,800 lup 8,400 lup 9,400 lup 9,400 lup 9,800 lup 6,800 lup 7,400 lup 7,200 lup 6,300 lup 8,300 lup	Velocity 1,090 fps 1,090 fps 1,090 fps 1,090 fps 1,145 fps 1,145 fps 1,145 fps 1,200 fps 1,200 fps 1,200 fps 1,090 fps 1,090 fps 1,145 fps 1,145 fps 1,145 fps 1,145 fps 1,145 fps 1,145 fps 1,200 fps	Wad type Red PC Rem. Fig 8 WAA12 Red PC WAA12 Red PC Rem. Fig 8	Primer type Rem. 209P WIN209 WIN209 Rem. 209P WIN209 WIN209 Rem. 209P WIN209
32g (1 1/8 oz) Powder AS30N	Weight (grains) 17.1 16.0 16.1 18.4 17.0 17.3 19.6 18.1 18.2 18.3 17.6 18.9 20.1 18.1 20.2 21.1	Pressure 7,200 lup 7,700 lup 7,700 lup 7,800 lup 8,500 lup 8,800 lup 8,400 lup 9,400 lup 9,800 lup 6,800 lup 7,200 lup 6,300 lup 7,200 lup 6,300 lup 8,300 lup 7,700 lup	Velocity 1,090 fps 1,090 fps 1,090 fps 1,090 fps 1,145 fps 1,145 fps 1,145 fps 1,200 fps 1,200 fps 1,200 fps 1,090 fps 1,090 fps 1,145 fps 1,200 fps	Wad type Red PC Rem. Fig 8 WAA12 Red PC Rem. Fig 8 Red PC Rem. Fig 8	Primer type Rem. 209P WIN209 WIN209 Rem. 209P WIN209 Rem. 209P WIN209 Rem. 209P
32g (1 1/8 oz) Powder AS30N	Weight (grains) 17.1 16.0 16.1 18.4 17.0 17.3 19.6 18.1 18.2 18.3 17.6 18.9 20.1 18.1 20.2 21.1 19.2	Pressure 7,200 lup 7,700 lup 7,700 lup 7,800 lup 8,500 lup 8,500 lup 8,400 lup 9,400 lup 9,800 lup 6,800 lup 7,400 lup 7,200 lup 7,200 lup 7,200 lup 7,200 lup 7,200 lup 9,300 lup 7,700 lup 9,600 lup	Velocity 1,090 fps 1,090 fps 1,090 fps 1,090 fps 1,145 fps 1,145 fps 1,145 fps 1,200 fps 1,200 fps 1,090 fps 1,090 fps 1,145 fps 1,145 fps 1,145 fps 1,145 fps 1,145 fps 1,1200 fps 1,1200 fps 1,200 fps 1,200 fps 1,200 fps	Wad type Red PC Rem. Fig 8 WAA12	Primer type Rem. 209P WIN209 WIN209 Rem. 209P WIN209 Rem. 209P WIN209 Rem. 209P
32g (1 1/8 oz) Powder AS30N	Weight (grains) 17.1 16.0 16.1 18.4 17.0 17.3 19.6 18.1 18.2 18.3 17.6 18.9 20.1 18.1 20.2 21.1 19.2 21.3	Pressure 7,200 lup 7,700 lup 7,700 lup 7,800 lup 8,500 lup 8,500 lup 8,400 lup 9,400 lup 9,800 lup 6,800 lup 7,200 lup 6,800 lup 7,200 lup 7,200 lup 7,200 lup 9,300 lup 9,300 lup 9,300 lup 9,700 lup 9,600 lup 9,700 lup	Velocity 1,090 fps 1,090 fps 1,090 fps 1,090 fps 1,145 fps 1,145 fps 1,145 fps 1,200 fps 1,200 fps 1,200 fps 1,090 fps 1,090 fps 1,145 fps 1,1200 fps 1,200 fps 1,200 fps 1,200 fps 1,200 fps	Wad type Red PC Rem. Fig 8 WAA12 Red PC WAA12 Red PC Rem. Fig 8 WAA12 Red PC	Primer type Rem. 209P WIN209 WIN209 Rem. 209P WIN209 Rem. 209P WIN209 WIN209 WIN209 WIN209 WIN209 WIN209 WIN209 WIN209 WIN209
32g (1 1/8 oz) Powder AS30N	Weight (grains) 17.1 16.0 16.1 18.4 17.0 17.3 19.6 18.1 18.2 18.3 17.6 18.9 20.1 18.1 20.2 21.1 19.2 21.3 22.1	Pressure 7,200 lup 7,700 lup 7,700 lup 7,800 lup 8,500 lup 8,800 lup 8,400 lup 9,400 lup 9,400 lup 7,400 lup 7,200 lup 6,800 lup 6,800 lup 7,200 lup 6,300 lup 7,200 lup 9,700 lup 9,600 lup 9,700 lup 9,700 lup 9,700 lup	Velocity 1,090 fps 1,090 fps 1,090 fps 1,090 fps 1,145 fps 1,145 fps 1,145 fps 1,200 fps 1,200 fps 1,200 fps 1,090 fps 1,090 fps 1,145 fps 1,145 fps 1,145 fps 1,145 fps 1,145 fps 1,200 fps 1,200 fps 1,200 fps 1,200 fps 1,200 fps	Wad type Red PC Rem. Fig 8 WAA12 Red PC Red PC WAA12 Red PC Rem. Fig 8 WAA12 Red PC Rem. Fig 8 WAA12 Red PC Rem. Fig 8	Primer type Rem. 209P WIN209 WIN209 Rem. 209P WIN209 WIN209 Rem. 209P WIN209 WIN209 WIN209 WIN209 WIN209 WIN209 WIN209 WIN209 Rem. 209P WIN209 WIN209 Rem. 209P WIN209 Rem. 209P
32g (1 1/8 oz) Powder AS30N AS50N	Weight (grains) 17.1 16.0 16.1 18.4 17.0 17.3 19.6 18.1 18.2 18.3 17.6 18.9 20.1 18.1 20.2 21.1 19.2 21.3 22.1 21.3	Pressure 7,200 lup 7,700 lup 7,700 lup 7,800 lup 8,500 lup 8,500 lup 8,400 lup 9,400 lup 9,400 lup 7,400 lup 7,200 lup 6,800 lup 6,800 lup 7,200 lup 7,200 lup 6,300 lup 8,300 lup 8,300 lup 8,300 lup 9,600 lup 9,700 lup 9,700 lup 9,700 lup	Velocity 1,090 fps 1,090 fps 1,090 fps 1,090 fps 1,145 fps 1,145 fps 1,145 fps 1,200 fps 1,200 fps 1,200 fps 1,090 fps 1,090 fps 1,145 fps 1,145 fps 1,145 fps 1,145 fps 1,145 fps 1,200 fps 1,200 fps 1,255 fps 1,255 fps 1,255 fps	Wad type Red PC Rem. Fig 8 WAA12 Red PC WAA12 Red PC Rem. Fig 8 WAA12	Primer type Rem. 209P WIN209 WIN209 Rem. 209P WIN209 Rem. 209P WIN209 WIN209 Rem. 209P WIN209 Rem. 209P
12 Gauge 23 32g (1 1/8 oz) Powder AS30N AS50N	Weight (grains) 17.1 16.0 16.1 18.4 17.0 17.3 19.6 18.1 18.2 18.3 17.6 18.9 20.1 18.1 20.2 21.1 19.2 21.3 22.1	Pressure 7,200 lup 7,700 lup 7,700 lup 7,800 lup 8,500 lup 8,800 lup 8,400 lup 9,400 lup 9,400 lup 7,400 lup 7,200 lup 6,800 lup 6,800 lup 7,200 lup 6,300 lup 7,200 lup 9,700 lup 9,600 lup 9,700 lup 9,700 lup 9,700 lup	Velocity 1,090 fps 1,090 fps 1,090 fps 1,090 fps 1,145 fps 1,145 fps 1,145 fps 1,200 fps 1,200 fps 1,200 fps 1,090 fps 1,090 fps 1,145 fps 1,145 fps 1,145 fps 1,145 fps 1,145 fps 1,200 fps 1,200 fps 1,200 fps 1,200 fps 1,200 fps	Wad type Red PC Rem. Fig 8 WAA12 Red PC Red PC WAA12 Red PC Rem. Fig 8 WAA12 Red PC Rem. Fig 8 WAA12 Red PC Rem. Fig 8	Primer type Rem. 209P WIN209 WIN209 Rem. 209P WIN209 WIN209 Rem. 209P WIN209 WIN209 WIN209 WIN209 WIN209 WIN209 WIN209 WIN209 Rem. 209P WIN209 WIN209 Rem. 209P WIN209 Rem. 209P

SINGLE ACTION SHOTGUN

32g (1 1/8 oz)					
Powder	Weight (grains)	Pressure	Velocity	Wad type	Primer type
	22.7	10,600 PSI	1,255 fps	WAA12	WIN209
	24.5	10,700 PSI	1,310 fps	Rem. Fig 8	WIN209
16 Gauge 2 ³	4" Remington Premier S	SP Plastic Shells			
28g (1 oz)					
Powder	Weight (grains)	Pressure	Velocity	Wad type	Primer type
AP70N	18.5	8,800 PSI	1,165 fps	Rem. SP 16	WIN209
	18.5	9,000 PSI	1,165 fps	WAA16	WIN209
	19.8	9,900 PSI	1,220 fps	Rem. SP 16	WIN209
	19.5	9,000 PSI	1,220 fps	WAA16	WIN209
	20.5	10,400 PSI	1,275 fps	Rem. SP 16	WIN209
	20.5	10,400 PSI	1,275 fps	WAA16	WIN209
AP70N	19.0	8,800 PSI	1,165 fps	ACTIV G-28	WIN209
28g (1 oz)					
Powder	Weight (grains)	Pressure	Velocity	Wad type	Primer type
AP70N		· ·	· · · · · · · · · · · · · · · · · · ·	WAA16	
	19.0	9,200 PSI 9,700 PSI	1,165 fps 1,220 fps	ACTIV G-28	WIN209 WIN209
	20.0	10,300 PSI	1,220 fps	WAA16	WIN209
	21.5	10,600 PSI	1,275 fps	ACTIV G-28	WIN209
	21.0		<u> </u>	WAA16	
	20.7	11,000 PSI	1,275 fps	VV/ V (10	WIN209
	20.7 /4" Remington RXP Plas		1,275 ips	VW VIIC	WIN209
24g (7/8 oz)	4" Remington RXP Plas				
24g (7/8 oz) Powder		tic Shells	Velocity 1,200 fps	Wad type RXP20	Primer type
24g (7/8 oz) Powder	4" Remington RXP Plas Weight (grains)	Pressure 10,700 PSI	Velocity 1,200 fps	Wad type	
24g (7/8 oz) Powder AS50N	Weight (grains)	tic Shells Pressure	Velocity	Wad type RXP20	Primer type Rem. 209P WIN209
24g (7/8 oz) Powder AS50N	Weight (grains) 14.0 15.8	Pressure 10,700 PSI 11,900 PSI 9,000 PSI	Velocity 1,200 fps 1,200 fps 1,200 fps	Wad type RXP20 WAA20 RXP20	Primer type Rem. 209P WIN209 Rem. 209P
24g (7/8 oz) Powder AS50N AP70N 20 Gauge 23	Weight (grains) 14.0 14.0	Pressure 10,700 PSI 11,900 PSI 9,000 PSI 9,600 PSI	Velocity 1,200 fps 1,200 fps 1,200 fps 1,200 fps 1,200 fps	Wad type RXP20 WAA20	Primer type Rem. 209P WIN209
24g (7/8 oz) Powder AS50N AP70N 20 Gauge 23/	Weight (grains) 14.0 14.0 15.8 15.8	Pressure 10,700 PSI 11,900 PSI 9,000 PSI 9,600 PSI	Velocity 1,200 fps 1,200 fps 1,200 fps 1,200 fps 1,200 fps	Wad type RXP20 WAA20 RXP20	Primer type Rem. 209P WIN209 Rem. 209P WIN209
24g (7/8 oz) Powder AS50N AP70N 20 Gauge 23 24g (7/8 oz) Powder	Weight (grains) 14.0 14.0 15.8 15.8 4" Winchester Compres	Pressure 10,700 PSI 11,900 PSI 9,000 PSI 9,600 PSI sion-Formed AA Ty	Velocity 1,200 fps 1,200 fps 1,200 fps 1,200 fps 1,200 fps Velocity	Wad type RXP20 WAA20 RXP20 WAA20	Primer type Rem. 209P WIN209 Rem. 209P WIN209
24g (7/8 oz) Powder AS50N AP70N	Weight (grains) 14.0 14.0 15.8 15.8 Winchester Compres Weight (grains)	Pressure 10,700 PSI 11,900 PSI 9,000 PSI 9,600 PSI sion-Formed AA Ty	Velocity 1,200 fps 1,200 fps 1,200 fps 1,200 fps 1,200 fps Velocity 1,200 fps	Wad type RXP20 WAA20 RXP20 WAA20 WAA20	Primer type Rem. 209P WIN209 Rem. 209P WIN209 Primer type WIN209
24g (7/8 oz) Powder AS50N AP70N 20 Gauge 23 24g (7/8 oz) Powder	Weight (grains) 14.0 14.0 15.8 15.8 Weight (grains) 14.0 15.8	Pressure 10,700 PSI 11,900 PSI 9,000 PSI 9,600 PSI sion-Formed AA Ty Pressure 11,200 PSI	Velocity 1,200 fps 1,200 fps 1,200 fps 1,200 fps 1,200 fps Velocity 1,200 fps 1,200 fps	Wad type RXP20 WAA20 RXP20 WAA20 WAA20 WAA20	Primer type Rem. 209P WIN209 Rem. 209P WIN209
24g (7/8 oz) Powder AS50N AP70N 20 Gauge 23 24g (7/8 oz) Powder	Weight (grains) 14.0 14.0 15.8 15.8 Winchester Compres Weight (grains) 14.0 14.0 14.0	Pressure 10,700 PSI 11,900 PSI 9,000 PSI 9,600 PSI sion-Formed AA Ty Pressure 11,200 PSI 10,800 PSI	Velocity 1,200 fps 1,200 fps 1,200 fps 1,200 fps 1,200 fps Velocity 1,200 fps	Wad type RXP20 WAA20 RXP20 WAA20 WAA20 WAA20 WAA20	Primer type Rem. 209P WIN209 Rem. 209P WIN209 Primer type WIN209 Rem. 209P

POWDER EQUIVALENTS

				MANUFACTURERS	5			
ADI	Hodgdon	Alliant	IMR	Winchester	Vectan	Norma	Accurate Arms	Vihtavuori
						R-1		
		Bullseye						N310
AS30N	Clays	Red Dot			AS	N2010	NITRO 100	
Trail Boss			Trail Boss					
AP50N	HP-38	e3	PB	W231			AA 2	N320
AS50N	International	Green Dot	700X	WST			AA5	
AP70N	Universal	Unique	SR 7625					N330
		Herco		WSF	A1			
			800X	WAP			AA7	N340
AP100			SR 4756					AP100
	HS-6			W540				3N37
	HS-7	Blue Dot		W571			AA9	N350
		Steel			Ba 6			N105
		2400	SR 4759					N110
AR2205	H4227 / H110		IMR 4227	W296		R-123	AA 1680	N120
AR2207	H4198	Reloader 7	IMR 4198	W680	Tu 2000	N200		N130
Bench Mark1								N133
AR2219	H322	10-X						
Bench Mark 2	BENCHMARK		IMR 3031				AA 2015	
Bench Mark 8208			IMR 8208 XBR					
AR2206	BLC(2)				Tu 3000		AA 2230	
	N335			W748				N135
AR2206H	H4895		IMR 4895		Tu 5000		AA 2460	
AR2208	Varget		IMR 4064				AA 2520	
			IMR 4320			N201		
						N202	AA 2700	N140 / N540
	H380	Reloader 15				N203		
AR2209	H414 / H4350		IMR 4350	W760	Tu 7000	N204	AA 4350	N150 / N550
	H450	Reloader 19				N205		
			IMR 4831	WMR			AA 3100	N160 / N560
AR2217	H4831							
		Reloader 22	IMR 7828	WXR	Tu 8000	MRP		N165
AR2217	H1000							N170
AR2225	Retumbo	Reloader 25					Magpro	24N41
AR2218	H870 / H50BMG						AA 8700	20N29

NOTE:

Table shows only approximate equivalent values within about 5%. Actual burning rates can vary depending on the calibre, weapon, loading components and practices, as well as from powder lot to. As a consequence, it must be understood that Australian Munitions cannot accept any responsibility for use of this information in any way.

BURNING RATE EXAMPLES

DOWNED	DUDNING DATE	EXAMPLES OF APPLICATION				
POWDER	BURNING RATE	PISTOL	SHOTGUN	RIFLE		
AS30N	Fastest		12 Guage trap/skeet load			
Trail Boss	↑	.45 Colt		45-70 Government		
AP50N		.45 ACP				
AS50N			12 Guage trap/sporting			
AP70N		40-40 Winchester	12 Gauge field load			
AP100		.38 Super Auto	20 Guage	.22 Hornet		
AR2207		.7mm TCU		.222 Remington		
Bench Mark 1				.223 Remington		
AR2219				6mm PPC		
Bench Mark 2				.22-250 Remington		
Bench Mark 8208				.204 Ruger		
AR2206				.308 Winchester		
AR2206H				257 Roberts		
AR2208				30-30 Winchester		
AR2209				30-06 Springfield		
AR2213SC				300 Win. Magnum		
AR2217				7mm Rem. Magnum		
AR2225	<u> </u>			300 Rem. Ultra Magnum		
Ar2218	Slowest			.30/378 Weatherby		

This section provides examples of applications for the ADI powders across the range of burning rates.



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The ADI Powders Handloaders' Guide is available at gun shops where ADI powders are sold.

For handloading information:

Australian Munitions will respond to written enquiries with safe and technically accurate advice.

Send your enquiries to: reload.support@adi-powders.com.au By mail to: Reloading Enquiries, Australian Munitions, Private Bag No 1, Mulwala, New South Wales 2647, Australia or fax to: +61 (0)3 5744 1873.

Visit us at: www.adi-powders.com.au

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For safety information:

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ADI powders are sold at major gun shops.

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